

**CANCELLED  
SPECIAL WORK SESSION  
POLICE SERVICES**

**THE VILLAGE OF DEXTER  
VILLAGE COUNCIL MEETING  
MONDAY July 11, 2005**

**\*\*\*\*\*7:30pm\*\*\*\*\***

**Dexter Senior Center, 7720 Dexter Ann Arbor Road**

**A. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**

**B. ROLL CALL:** President Seta                      J Carson                      P. Cousins                      S. Keough  
   J. Semifero                      T. Walters                      D. Fisher

**C. APPROVAL OF THE MINUTES**

1. Regular Council Meeting Minutes- June 27, 2005
2. Work Session Meeting Minutes- June 27, 2005
3. Work Session Meeting Minutes – June 20, 2005

**Page# 1-15**

**D. PRE-ARRANGED PARTICIPATION:**

*Pre-arranged participation will be limited to those who notify the Village office before 5 00 p m Tuesday of the week preceding the meeting, stating name, intent and time requirements (10-minute limit per participant)*

1. Tom Spiess- Traffic Control Issues in Downtown Dexter

**E. APPROVAL OF AGENDA:**

**F. PUBLIC HEARINGS**

*Action on each public hearing will be taken immediately following the close of the hearing*  
None

*"This meeting is open to all members of the public under Michigan Open Meetings Act "*

**[www.villageofdexter.org](http://www.villageofdexter.org)**

**G. NON-ARRANGED PARTICIPATION:**

*Non-arranged participation will include those in the audience not listed on the agenda that wish to speak. At the Village President's discretion, members of the audience may be called on to speak at any time. Those addressing the Council will state their name, and address. This section is limited to 5-minutes per participant or 10-minutes for group representatives.*

**H. COMMUNICATIONS :**

1. Jake Rochaviak- June 21, 2005

**Page#15**

**I. REPORTS:**

1. Department of Public Services- Ed Lobdell

**Page#19-26**

2. Community Development Manager- Allison Bishop

**Page#27**

3. Board and Commission Reports

1)

4. Subcommittee Reports

5. Village Manager Report  
No Written Report

6. President's Report
  - 1) Council Rules
  - 2) Scio Township- Jackson Road Discussion

**J. CONSENT AGENDA**

*Bills & Payroll will be a standing item under consent agenda. Discussion of the Budget and Financial matters will be covered under the Presidents Report as a standing item. Items under consent agenda are considered routine and will be acted upon in one motion. There will be no separate discussion of these items unless a Council Member so requests, and the item will be removed from Consent and added to the regular agenda at the end of New Business.*

1. Consideration of: Bills & Payroll in the amount of: \$138,364.08

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**K. OLD BUSINESS- Consideration and Discussion of:**

1. Consideration of: NONE

**L. NEW BUSINESS- Consideration and Discussion of:**

- 1 Discussion of: Annexation and 425 Agreements- June 20, 2005 Follow-up  
**Detail to be provided and reviewed at the meeting.**
2. Consideration of: Recommendation to accept Engineering Standards  
**Delivered Separate**
- 3 Consideration of: RESOLUTION REGARDING THE DEXTER CROSSING PLAT  
ONE DRAIN (POND #2)  
**Page#37-58**
4. Consideration of: Recommendation to become a “Community Partner For Clean  
Streams” participant.  
**Page#59-68**
5. Consideration of: Recommendation to accept the proposal from OHM for the  
remaining road design and storm water investigation for  
Kensington Street Improvements.  
**Page#71-77**
- 6 Consideration of: Recommendation from Planning Commission to Amend the  
Zoning Ordinance, Article 6 – Section 6.06 Landscaping Buffer  
Requirements  
**Page#79-81**
- 7 Consideration of: Recommendation from Planning Commission to Amend the  
Zoning Ordinance, Article 7 – Section 7.07 Temporary Signs  
**Page#83-85**

**M. COUNCIL COMMENTS**

**N. NON-ARRANGED PARTICIPATION**

*Same as item F Those addressing the Council will state their name, and address This section is limited to 5-minutes per participant or 10-minutes for group representatives*

**O. ADJOURNMENT:**

*"This meeting is open to all members of the public under Michigan Open Meetings Act "*

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**DEXTER VILLAGE COUNCIL** **AGENDA** **7-11-05**  
**REGULAR MEETING**  
**MONDAY June 27, 2005** **ITEM** **C-1**

**A. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**

The meeting was called to order at 7:30 by President Seta in the Dexter Area Senior  
Located at 7720 Dexter-Ann Arbor Street in Dexter, Michigan.

**B. ROLL CALL:** President Seta

J Carson      P Cousins      S. Keough  
D Fisher      J. Semifero

T. Walters- Absent

**C. APPROVAL OF THE MINUTES**

Minutes of the Regular Council meeting of June 13, 2005

Motion Keough, support Carson to approve the minutes with corrections to L. 7 to  
appoint Carson and Keough not Cousins and Keough. Also, under N, reference Item L. 7 to  
appoint Carson and Keough not Cousins and Keough

Ayes: Cousins, Fisher, Keough, Semifero, Carson, Seta.

Nays: none.

Motion carries.

**D. PRE-ARRANGED PARTICIPATION**

None.

**E. APPROVAL OF THE AGENDA**

Motion Fisher, support Semifero to approve the agenda with the addition of K. 2 discussion  
of annexation.

Ayes: Keough, Semifero, Carson, Fisher, Cousins, Seta.

Nays: none

Motion carries

**F. PUBLIC HEARINGS**

None

## **G. NON-ARRANGED PARTICIPATION**

None

## **H. COMMUNICATIONS**

- 1 "One Helluva ride" July 9, 2005.
- 2 Webster Township- 425 Agreement Legal opinion

## **I. REPORTS**

- 1 Washtenaw County Sheriff Department-Sergeant Filipiak  
April and May 2005 Reports  
Traffic Report Dexter-Pinckney and Island Lake Roads  
Crash Data for January 2005 through May 2005

- 2 Community Development Manager- Allison Bishop

Blackhawk Development meeting scheduled for June 29<sup>th</sup>. All parties involved,  
Where are we? OHM, Drain commissioner's office, Carson, Cousins, Seta

3. Board and Commission Reports

Minutes from the April 21, 2005 DAFD Board Meeting  
Update from the June 16, 2005 Board Meeting, DAFD and Police Dept.

4. Subcommittee Reports

None

5. Village Manager Report

Mrs. Dettling submits her report as per packet.

## 6 President's Report

None

## J. CONSENT AGENDA

1. Consideration of: Bills & Payroll in the amount of \$163,806.64

Motion Fisher, support Keough to approve the consent agenda as presented.

Ayes: Semifero, Fisher, Carson, Cousins, Keough, Seta.

Nays: none

Motion carries

## K. OLD BUSINESS

1. Consideration of: Resolution of the Village Council of the Village of Dexter to vacate certain public rights of way.

Motion Semifero, support Carson to approve the proposed resolution identified as Item K 1, agenda 6-27-05 concerning vacation of certain public rights of way.

Ayes: none

Nays: Carson, Cousins, Keough, Fisher, Semifero, Seta.

Motion Fails

2. Consideration of: Annexation regarding the "harvest valley" request

1. Need a timeline for answers to many questions brought up at the June 13, 2005 meeting.
2. A joint meeting with Scio Township was suggested.
3. Perhaps the annexation request should be sent to Planning Commission?
4. Add to agenda for next regular Council Meeting.

## L. NEW BUSINESS

1. Consideration of: Recommendation to accept the proposal from James Hegarty P.E. for professional engineering services for the Mill Creek Dam Removal Study at a cost not to exceed \$10,500- \$5,000 grant pending.

Motion Semifero, support Keough to accept the proposal from James Hegarty P.E. for services regarding the Mill Creek Dam Removal Study at a cost not to exceed \$10,500.

Ayes: Carson, Cousins, Fisher, Keough, Semifero, Seta.

Nays: none

Motion carries.

2. Consideration of: Recommendation from Ed Lobdell to accept the pavement marking quote from Michigan Pavement Marking at a cost not to exceed \$16,012.

Motion Fisher, support Semifero to accept the recommendation from Ed Lobdell regarding the quote from Michigan Pavement Marking at a cost not to exceed \$16,012.

Ayes: Cousins, Fisher, Keough, Semifero, Carson, Seta

Nays: None

Motion carries

3. Consideration of: Recommendation for reappointments to the Planning Commission for terms ending June 2008- Ray Tell and Eric Lovell.

Motion Cousins, support Fisher to accept the recommendations for reappointments to the Planning commission for terms ending June 2008-Ray Tell and Eric Lovell.

Ayes: Keough, Semifero, Carson, Fisher, Cousins, Seta.

Nays: None

Motion carries

4. Consideration of: Recommendation for reappointments to the Zoning Board of Appeals for terms ending June 2008-Sandy Hansen, Jim Adams, Jim Lester

Motion Semifero, support Fisher to accept the recommendations for reappointments to the Zoning Board of Appeals for terms ending June 2008-Sandy Hansen, Jim Adams, Jim Lester.

Ayes: Semifero, Fisher, Carson, Cousins, Keough, Seta.

Nays: None

Motion carries.

5. Recommendation from Planning Commission to approve the Special Land Use Application from Fireside Home Construction for a Kitchen Cabinet Showroom at 7940 Ann Arbor Street.

Motion Cousins, support Carson to approve the recommendation from Planning Commission to approve the Special Land Use Application from Fireside Home Construction



for a Kitchen Cabinet Showroom at 7940 Ann Arbor Street.

Ayes: Carson,Cousins,Keough,Fisher,Semifero,Seta.

Nays: None

Motion carries.

- 6 Consideration of: Recommendation from Planning Commission to approve the combined Preliminary and Final Site Plan for Fireside Home Construction, located at 7940 Ann Arbor Street.

Motion Cousins,support Carson to approve said site plans with the following conditions:  
    Submittal of the information requested in the Village Engineer's review dated June 20, 2005 prior to requesting a pre-construction meeting.

Ayes: Carson,Cousins,Fisher,Keough,Semifero,Seta

Nays: none

Motion carries

7. Consideration of: Recommendation from Ed Lobdell to accept the bid from Monroe Truck Equipment for a V-Box with a leg kit at a cost not to exceed \$12,971.

Motion Keough, support Semifero to accept the recommendation of Ed Lobdell regarding the bid from Monroe Truck Equipment for a V-Box with a leg kit at a cost not to exceed \$12,971.

Ayes: Cousins,Fisher,Keough,Semifero,Carson,Seta.

Nays: none

Motion carries.

8. Consideration of: Recommendation for reappointments to the Dexter Development Authority for term ending June 2008-Steve Gergely,Carol Jones,Fred Model.

Motion Fisher,support Semifero to accept the recommendations for reappointments to the Dexter Development Authority for term ending June 2008- Steve Gergely,Carol Jones,Fred Model.

Ayes:Keough,Semifero,Carson,Fisher,Cousins,Seta.

Nays: none

Motion carries.

#### **M. COUNCIL COMMENTS**

Keough           cannot attend DDA community forum meetings

Fisher           no comments

Carson           no comments

- Semifero      Volunteered to test the electronic Council package  
MML information was very interesting  
Washtenaw web sites will host for free  
How can we slow traffic down? Outside Westridge  
No parking signs faded outside St. Joe's
- Cousins      also cannot attend DDA community forum meetings  
Open house at Gordon Hall, still talking  
Good luck with Blackhawk Development meeting

#### **N. NON-ARRANGED PARTICIPATION**

None

#### **O. ADJOURNMENT**

Motion to adjourn at 8:47, Fisher support Semifero.  
Unanimous voice vote.

Submitted,

David F Boyle  
Clerk, Village of Dexter

AGENDA 7-11-05  
ITEM C-2

SPECIAL WORK SESSION  
Prior to Regular Council Meeting  
Monday June 27, 2005 6:30-7:15  
Discuss Police Services

Reference Donna Dettling's memo to President Seta and the Village Council dated June 27<sup>th</sup>, 2005. (Attached hereto).

Meeting started at 6:33.

Attending: J. Carson, J. Semifero, J. Seta, P. Cousins at 6:34, S. Keough at 6:35, D. Fisher at 6:41.  
T. Walters, absent.

Correction, 1. A model from the City of Saline may, (not will) be used to create operating percentages for each of the units of government.

1. Other municipalities would rather contract with The Village of Dexter for an area-wide force than be involved directly in initiating a police force.
2. More information will be available for the July 11, 2005 meeting.
3. A preference for a January 2007 versus a January 2008 startup was expressed.

David F. Boyle  
Clerk  
Village of Dexter

# VILLAGE OF DEXTER

[ddettling@villageofdexter.org](mailto:ddettling@villageofdexter.org)

8140 Main Street Dexter, MI 48130-1092

Phone (734)426-8303

Fax (734)426-5614

## MEMO

**To: President Seta and Village Council**  
**From: Donna Dettling, Village Manager**  
**Date: June 27, 2005**  
**Re: Special Work Session-Police Services**

This work session is a continuation from the May 23, 2005 Police Services work session. Several items were listed for additional information.

- 1.) Cost Share from Dexter & Webster Townships
- 2.) Jail Services
- 3.) Dispatch Services
- 4.) Time-line
- 5.) Union Contract

1.) A meeting with Dexter & Webster Townships was held at 4:00 p.m. today to determine their level of interest in joining with the Village to cost share Police Services. Both Townships are interested in contracting with the Village of Dexter for Police Services. We discussed establishing a Police Authority, and the Village contracting services. Both Townships were comfortable contracting with the Village. A model from the City of Saline will be used to create operating percentages for each of the units of government.

Note: The Budget Worksheet included with this memo was altered based on our last work session. The Part-time projected budget was reduced from \$80,000 to \$40,000. This would be a Department Head/Police Chief management issue as to how to get the most for the \$40,000. For example, if we hired 4 reliable part-time staff, each could work up to \$10,000 worth each FY, approximately 15 hours per week. Some would work more some would work less. Also removed from the proposed salary budget is 1 full-time officer reducing the Salary – Non-exempt staff from \$230,000 to \$195,000. The thought was to fill in as much as possible with part-time staff and reduce full-time staff costs.

2.) Jail Services would continue to be provided by the County, at no additional cost to the units of government using the service.

3.) Dispatch Service- The County has indicated that they will continue dispatch services to units that contract for it. Actual cost is unknown. Projections in the budget are based on current charges established in the PSU calculation.

4.) Time-line. The latest feedback from the County is that they will contract two more years, 2006 and 2007. The figure provided in one proposal places the per PSU for the final two years of the contract at \$112,000 plus all OI to be paid by contracting agencies. The County will commit .2 mills to keeping limited road patrol, keeping a Detective Bureau, Law Net, SWAT Team, Marine Patrol, and K-9. These services, as I understand it will be available to all governmental units in the County.

The actual start date for a Dexter Police Department to fully function is up to Council. There appears to be no advantage to pushing this date up for an earlier fully function start date. It is my recommendation that pulling this Department together and getting all the unknowns solved will take at least one year. Having a Department Head/Police Chief on staff at least 6-months prior to the fully function date of the Department will be critical for successful implementation

5 ) I have a copy of the Union Contract between the WC Board of Commissioner and Washtenaw County Sheriff and Police Officers Association ending December 31, 2006. I will make copies upon request, as it is a lengthy document. If the village creates a Police Department we will have an opportunity to scale back wages and benefits from the start, and still remain competitive. Unionization of our Department will likely be inevitable, but our position of financial strength will be the slow incremental increase in the cost of personnel.

**THE VILLAGE OF DEXTER  
VILLAGE COUNCIL MEETING**

***Annexation Request Process - Work Session***

**MONDAY June 20, 2005**

**\*\*\*\*\*7:15 pm \*\*\*\*\***

**Dexter Senior Center, 7720 Dexter Ann Arbor Road**

**Introductions**

7:15 - 7:30 Current and Future Financial Situation of the Village of Dexter

Reviewed Financials from the Village's Financial Model

7:30 – 7:45 Current and Potential Annexation Agreements / 425 Agreements

Discussed Baker Road Corridor Plan and Village Master Plan.

7:45 – 9:00 Open Discussion - Annexation Request

Discussed concerns and question. Shared ideas for additional information needed to make a decision.

A list of questions and research of the answers from this work session will be provided at the July 11, 2005 meeting under New Business, Item L-1.

### **Property Transfer Agreements**






Map 3 depicts lands currently under agreement between the Village of Dexter and surrounding communities for annexation into the Village. The following is a brief summary of those agreements. As the specific details of annexation are beyond the scope of a Master Plan, the specific details of the agreements can be obtained at the Village Administrative offices.

- Dexter/Scio Annexation Agreement, Amended April 11, 1995. This agreement provides for the annexation of property from Scio Township into the Village of Dexter. Essentially, this agreement provides specific areas to be annexed into the Village after a December 31, 2006 moratorium has expired for land in two (2) phases.
- Dexter/Scio 425 Agreement for the Dexter High School, January 2000. An agreement to provide municipal services to the Dexter High School site located on the southeast corner of Parker and Shield Roads. The property in question remains a part of Scio Township, but under the jurisdiction of the Village.
- Dexter/Webster Conditional Transfer Agreement, April 1997. Provides for the transfer of properties as shown on Map 3 in three (3) separate considerations.
  - (A) 94.15 acre parcel located in Section 361 of Webster Township with frontage on Island Lake Road and Dexter-Pinckney Road.
  - (B) Twenty-eight separate parcels of land. To be annexed upon request of owners. (Jurisdiction to the Village.)
  - (C) Five parcels of property in Section 32 of Webster Township north of Joy Road and east of Mast Road. Utilities may be extended by the Village only for industrial use of this property. (Jurisdiction of the Township)

As noted above, full details of the above noted annexation/ 425 agreement language can be viewed at the Village Administrative offices.

# VILLAGE OF DEXTER

## Property Transfer Agreements

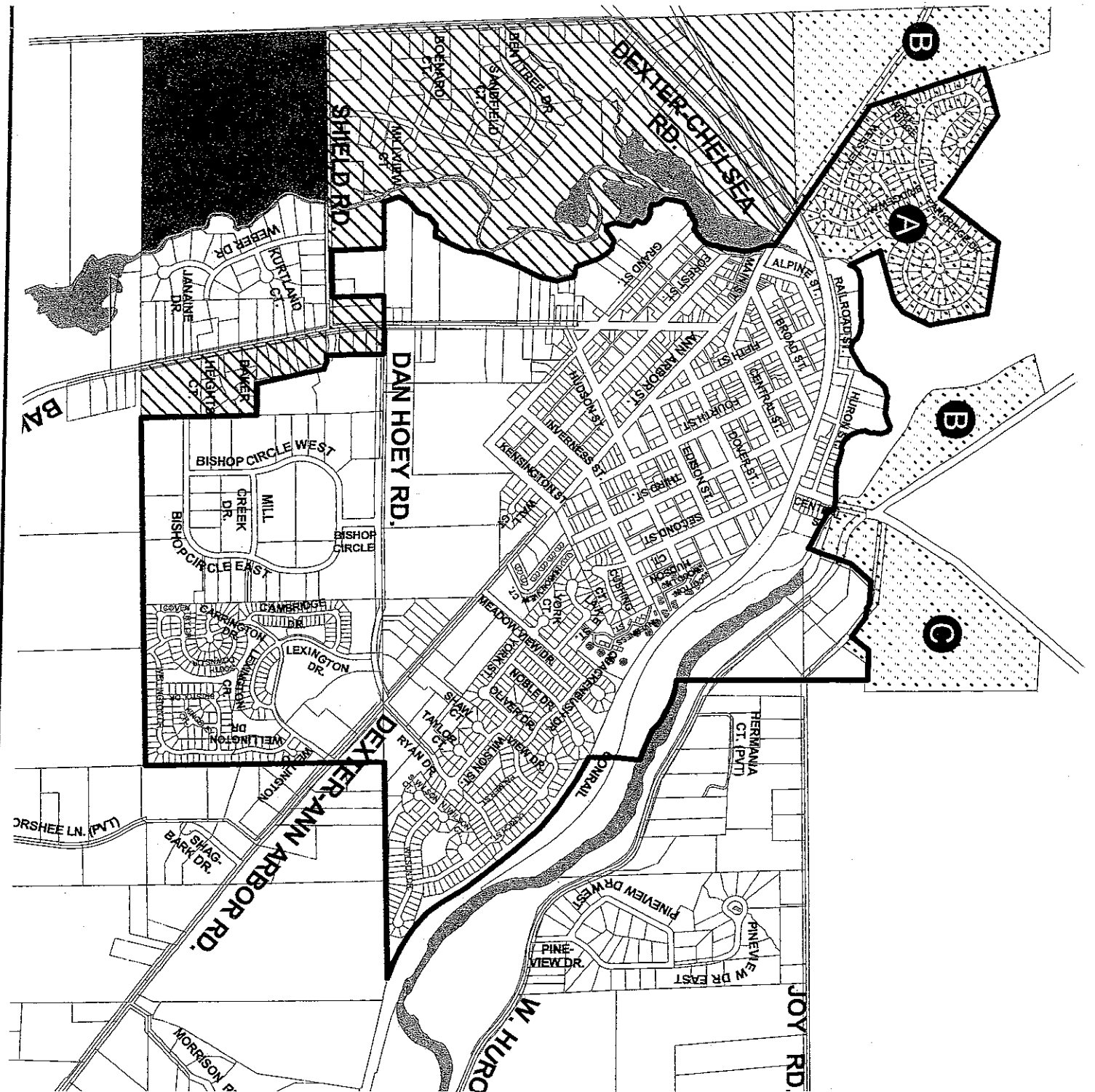
-  Dexter/Scio Area
-  Covered under current annexation agreement
-  Dexter/Scio 425 Agreement area for Dexter High School
-  Dexter/Webster 425 Conditional transfer agreement 1997
-  Current Village Boundary

MAP 3

1000 0 1000 Feet



Carlisle/Mortman Associates, Inc.  
Community Planners & Landscape Architects  
Plot Generation: 3/29/05





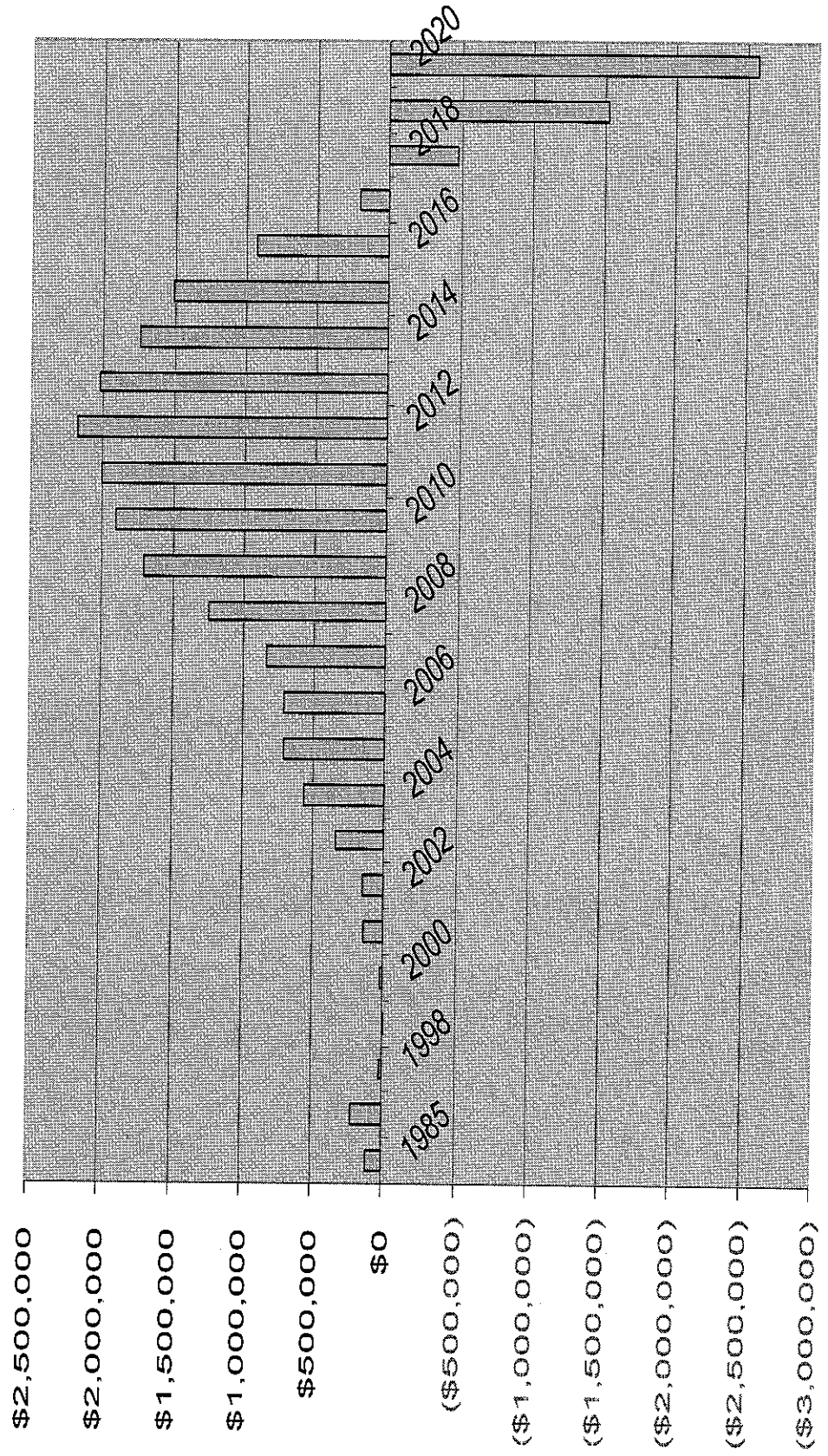
## Planning for Properties Outside the Current Village Limits

In the case where properties are brought into the Village either through annexation or property transfer agreement (PA 425) the Village shall after study of the area amend the Master Plan to include said property into the Future Land Use Plan. The designation of this property shall be based in part, but not be limited to the following factors:

- Existing land use and zoning of the subject site and adjacent parcels,
- Natural feature considerations, i.e. woodlands, wetlands, floodplains, etc ,
- Transportation, i.e. roadway capacity and condition,
- Availability and capacity of utilities, i.e. sewer and water, etc.,
- Any applicable planning studies conducted in the area of consideration.

# Current and Future Fund Balance

Fund Balance without CIP



AGENDA 7.11.05

ITEM H-1  
Dear City Council,

Rec'd - 6-21-05

I am concerned about all the houses coming up. I think that you could stop building them and build a Ice rink or a skate park. Are you concerned about kids skating at schools and other public places? You could build a skate park so there are less accidents that are caused by skaters skating in public places. Would you rather build more houses so there are more kids that skate in public places or a skate park so there no kids that get hurt?

,Sule Rechariak

6777 Brassow lane  
Dexter MI 48130

AGENDA 7-11-05

ITEM I - 1

PUBLIC SERVICES

# VILLAGE OF DEXTER

8360 HURON ST.

DEXTER MI 48130

(734) 426-4572

FAX (734) 426-2208

TO: VILLAGE COUNCIL  
FROM: ED LOBDELL  
SUBJECT: PUBLIC SERVICES UPDATE  
DATE: 7-01-05

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Attached you will find an update for the Water and Sewer Departments along with an update from the Streets Department.

- 1 - Water meter work completed this period, (April - June).
- 2 - Water meter work completed this fiscal year.
- 3 - CIP Update.
- 4 - Streets Department Update.
- 5 - Consumer Confidence Report.

Should you have any questions, please call or stop by.

Respectfully Submitted;

Ed Lobdell  
Public Services Supt.

# VILLAGE OF DEXTER

## PUBLIC SERVICES

8360 HURON ST.

DEXTER MI 48130

(734) 426-4572

FAX (734) 426-2208

7-01-05

## UTILITY DEPT WATER METER/SERVICE CALL UPDATE

For the period beginning April 1,2005 and ending June 30,2005 The following denotes work completed.

New meters and read units installed - 21

Water only meters installed - 21

Read unit maintenance - 33

Miss Digs - 108

All other service calls - 130

Along with the above items, other tasks performed during this period are as follows.

Flushing select sewers - Monthly

Reading meters - Monthly/ Bimonthly

Checking all lift stations - Weekly

Backwashing Filtration Plant - Weekly

Replaced Water Tower door, as recommenced from inspection.

Replaced lab counter tops.

Replaced some W.W.T.P. doors.

Completed Consumer Confidence Report for 2004.

Water Service tap for 7842 Grand St.

Separated water service leads on Grand St. (7960)

Repaired fire hydrant at the corner of Broad and Grand St.

7-01-05 - con't.

Installed bollards at location of hydrant at Broad and Grand St.

Working with OHM on reliability study.

6-07-05 - 50,000 gallons of water used on fire.

Replaced block heater on well field generator.

Working with OHM on sewer capacity study.

# VILLAGE OF DEXTER

## WATER UTILITIES

8360 HURON ST.

DEXTER MI 48130

(734) 426-4572 FAX (734) 426-2208

7-01-05

### FISCAL YEAR WATER METER/SERVICE CALL UPDATE

From March 1,2005 thru June 30,2005.

New meters and read units installed - 31

Water only meters installed - 22

Read unit maintenance - 41

Miss Digs - 109

All other service calls - 147

### OTHER ANNUAL/SEMI ANNUAL ISSUES HANDLED THIS PERIOD

Semi-Annual Fire Hydrant Flushing - Hydrant flushing was completed in April

Semi-Annual Sewer Maintenance Flushing - Completed in April

Annual Sludge Hauling - First haul was completed in April, will return again  
In mid summer and again in the fall.

DEQ required sampling - This is ongoing, and will continue as required.

Consumer Confidence Report - Completed as required in June and distributed to  
The proper agencies.

## CIP UPDATE

### 1 - CENTRAL STREET WATERMAIN

The remaining sidewalk issue has been taken care of by Clarke. All punch list items have been satisfied, we need to still negotiate a closeout for this project. OHM is in the process of doing just that, and soon this project will be behind us.

### 2 - FOURTH WELL PROJECT

Final samples have been taken, and the results are fine. We are waiting for one final permit from the DEQ, and then we can put this well into service. This well will increase our firm capacity (water that can be pumped with one of our largest wells out of service). From 600 gallons per minute to 800 gallons per minute. This project also needs to be closed out, and OHM is working thru this issue.

### 3 - MANHOLE REHAB PROJECT

This project is ongoing. We will continue with our efforts to eliminate infiltration into our sanitary sewer system.

### 4 - KENSINGTON STREET UPGRADES

We are moving forward with this project. We uncovered storm issues that were not anticipated, and are working thru them. We will keep Council up to date as these issues are resolved.



## UPCOMING CIP

### 1 - ALPINE STREET SEWER

We are looking at two manhole replacements to be completed within the scope of the DDA project. Part of this project includes replacing approximately thirty feet of sanitary sewer pipe behind the Lighthouse. This is to remove a belly (sag) in the existing pipe. The final portion of this project is to line the existing sewer between the newly installed manholes.

### 2 - ALPINE STREET WATER

The scope of this project is to in conjunction with the DDA project provide a connection to the water main on Alpine St. This connection is for the future provision of Fire Protection and water service upgrades behind the businesses on Main St. Also to provide a potential loop for the water system on Broad St.

# VILLAGE OF DEXTER

## WATER UTILITIES

8360 HURON ST.

DEXTER MI 48130

(734) 426-4572

FAX (734) 426-2208

### STREETS UPDATE

The following is an update of what has been going on with the Streets Department during the period from April 1, 2005 thru June 30, 2005.

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Ongoing projects that we deal with on a daily basis are as follows.

Weekly grass cutting in these areas - Peace Park - Well field Park - Warrior Creek Park  
Water Tower area - Well House Property - Fire Hall  
Monument Park - DDA Extensions - Grand St. Property.  
Bi-Weekly/As Needed grass cutting - Smith Woods.

Other DDA Issues - Trash - Smoke Pots - Decorative Lights  
Sweeping - Irrigation Issues.

Storm Cleanup - Chipping and general storm damage cleanup

Weekly Chipping - Scheduled for every Wednesday

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Other projects and issues dealt with during this quarter are as follows.

Raise and lower flags per Governor Granholm Executive Orders.

Put Flags on decorative light poles for Holidays.

Added Banners to light poles before the 4<sup>th</sup> of July Holiday.

Picked up spare light pole from AF Smith.

Replaced bulbs on traffic lights.

Replaced several traffic control signs.

Assisted with plantings at Well field Park.

Purchased a water tank and trailer to water trees.

Watering trees twice a week or as needed.

Completed storm water work on 3<sup>rd</sup> at the Catholic Church.

Working on storm water project on Hudson.

Completed catch basin cleaning.

Industrial Park Retention Basin work complete.

Removed tree in DDA area.

McFarland removed 17 ash trees.

Ground stumps from ash trees, added topsoil and seed.

Trimmed tree line on Huron St

Removed parking blocks from Monument Park building site.

Assisted with Memorial Day Parade.

Power washed Gazebo.

Assisted with Soap Box Derby.

Added lettering to Championship Signs.

Continued with West Nile Program - Attended Seminar in Tecumseh in April.

Completed Street Centerline Striping - the rest of the painting to be completed this month.

Added Chloride to alleys - dust control.

Purchased new broom tractor - with assistance from DDA.

Purchased new Kubota mower.

# VILLAGE OF DEXTER – Community Development Office

8140 Main Street, Dexter, Michigan 48130-1092 Phone (734) 426-8303 ext. 15 Fax (734) 426-5614

## Memorandum

AGENDA 7-11-05  
ITEM I - 2

To: Village Council  
Donna Dettling  
From: Allison Bishop  
Re: Report  
Date: July 11, 2005

### Planning Commission Decisions – July 5, 2005

**Dexter Plaza** – The Planning Commission postponed the recommendation of Dexter Plaza until August 1, 2005. Comments from the Washtenaw County Road Commission are expected the week of July 5, 2005.

**3276 Central Street** – the applicant has provided no new information on the status of the project.

**Boulder Park Phase 2** – The Planning Commission postponed the recommendation of the Boulder Park 2 until August 1, 2005.

**Argiero's Pasta and Pizza** – The outdoor seating furniture has been replaced with the furniture presented per the Special Land Use amendment request.

**Dexter Commerce Center** – A request for a minor amendment was submitted to the Planning Commission to eliminate the 6' white vinyl fence along the western property line of Dexter Commerce. The amendment request was to replace the 6-foot fence with 10-15 arborvitaes to increase the buffer between the neighbor and the Commerce Center. The sidewalk easement has also been obtained from the neighbor and the construction of the sidewalk should commence soon.

**Article 2, Definitions** – The Planning Commission has set a public hearing to review the definitions of floor area and gross floor area. Amendments were previously made to the ordinance and the old definitions were not removed. The ordinance amendment is strictly housekeeping.

**Election of Officers and Bylaw Review** – The annual election of officers and bylaw review was completed at the July 5, 2005 meeting. Ray Tell was elected Chairperson, Matt Kowalski was elected as Vice Chairperson, Scott Bell was elected as Secretary, and Erik Lovell was appointed to serve on the ZBA for another year. Minor changes were made to the Planning Commission bylaws, including text and voting requirements for special meetings.

**Dexter Crossing Basin Update** – A meeting was held on June 29, 2005 with BHD, MCI, OHM, Village official and the Drain Commission to discuss the drainage analysis provided by BHD's engineer, MCI. The analysis is being reviewed and a follow up meeting has been scheduled for July 11<sup>th</sup>. Any additional update information will be provided at the July 11<sup>th</sup> Village Council meeting.

**Westridge Sidewalk** – To date no new information has been provided on the sidewalk request.

Please feel free to contact me before the meeting with any questions.

Thank you,

AGENDA 7-11-05

ITEM J-1

11-Jul-05

# SUMMARY OF BILLS AND PAYROLL

Payroll Check Register	07/06/05	\$31,754.63	Bi-weekly payroll processing
		<b>\$31,754.63</b>	<b>GROSS PAYROLL TOTAL</b>
Account Payable Check Register	07/12/05	<b>\$106,609.45</b>	<b>ACCOUNTS PAYABLE TOTAL NEXT BILLS AND PAYROLL</b>
		<b>\$138,364.08</b>	<b>TOTAL BILLS &amp; PAYROLL EXPENDED ALL FUNDS</b>

Summary Items from Bills & Payroll	Amount	Comments
------------------------------------	--------	----------

**ALL PAYABLES ARE WITHIN ACCEPTABLE BUDGET LIMITS**  
**DETAIL VENDOR LIST AND ACCOUNT SUMMARY PROVIDED**

*"This is the summary report that will be provided with each packet. Approval of the total bills and payroll expended, all funds will be necessary."*

## VENDOR APPROVAL SUMMARY REPORT

Date: 07/06/2005

Time: 5:11pm

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Village of Dexter

Vendor Name	Vendor Number	Description	Check Amount	Hand Check Amount
ARBOR MITCHELL CORP	ARBOR MITC	WWIP	33.40	0.00
AVAYA, INC.	AVAYA, INC	SERVICE AGREEMENT	35.75	0.00
ALLISON BISHOP	MENARD/ALL	MILEAGE	15.39	0.00
CADILLAC ASPHALT, LLC	CAD ASPHAL	JOB # 460117	64.64	0.00
CARDINAL GARDENS	CARDINAL	GENERAL GROUND WORKS	2,819.50	0.00
CHAMPION WATER TREATMENT	CHAMPION W	BOTTLED WATER	40.00	0.00
CHELSEA AREA TRANSPORTATION	CATS	JULY 2005	833.00	0.00
CHRISTENSEN'S PLANT CENTER	CHRISTENSE	LIONS PARK	285.00	0.00
CULVER COMPANY	CULVER COM	PENCILS, STICKERS, ECT.	445.37	0.00
DEXTER CARDS & GIFTS SHOP	DEX CARDS	RECEIPT BOOK	6.50	0.00
DEXTER PHARMACY	DEX PHARMA	PERSCRIPTION	72.14	0.00
DEXTER RESEARCH	DEXTER RE	REIMBURSE DEXTER RESEARCH <i>Sewer Main</i>	90.00	0.00
DEXTER SENIOR CITIZENS CENTER	DEX SENIOR	RENT INVOICE	200.00	0.00
DEXTER VILLAGE	DEXVIL	DEXTER FIRE HALL	1,040.38	0.00
DOUG ARNETT	DOUG ARNEI	WET PAINT DAMAGE	44.50	0.00
DTE ENERGY	DET EDISON	3219 953 0010 0	11,935.39	0.00
ETNA SUPPLY CO	ETNA SUPPL	SENSUS EQUIPMENT	2,480.00	0.00
GRAINGER	GRAING	KEY CABINET	91.32	0.00
GRANT'S AUTOMOTIVE & TRUCKING	GRANTS AUT	2003 F-350 DUMP	274.00	0.00
HACKNEY HARDWARE	HACKNEY	BATTERY <i>38 invoices</i>	560.83	0.00
HERITAGE IRRIGATION & LANDSCAP	HER I	TREES MULCH & STAKING	15,158.32	0.00
HERITAGE NEWSPAPERS	HERITAGE N	HEARING-PROP AMEND	58.50	0.00
LA FONTAINE	LA FON	CHANGE OIL & FILTER	19.95	0.00
LANIER WORLDWIDE, INC.	LANIER	LEASE AGREEMENT	691.26	0.00
MARK'S AUTO SERVICE, INC	MARK S AUT	SHOP SUPPLIES	84.68	0.00
MCI	MCI	LONG DISTANCE SERVICE	13.12	0.00
MICHIGAN CONFERENCE OF	MI TEAMSIE	<del>DATA</del> INSURANCE <i>Dental Ins.</i>	674.00	0.00
MICHIGAN MINERAL RESOURCES, LL	MI MINERAL	MINERAL WATER <i>DUST CONTROL</i>	1,321.63	0.00
MICHIGAN PAVEMENT MARKINGS LLC	MICH PAV	MARKING STREEIS	3,186.36	0.00
MIDWESTERN CONSULTING	MIDWEST	00600	4,327.40	0.00
NATIONAL CITY BANK	NAT CITY P	LEASE AGREEMENT	600.00	0.00
NORTH CENTRAL LABORATORIES	NORTH CENT	chemicals	298.34	0.00
ORCHARD, HILTZ & MCCLIMENT INC	OHM	0130-05-0031	34,162.00	0.00
PARTS PEDDLER AUTO SUPPLY	PARTS PEDD	FILTERS <i>7 invoices</i>	701.74	0.00
PRINT-TECH, INC.	PRINT TECH	envelopes & tax bill mailing	285.62	0.00
PROVIDE NET	PROVIDE NE	JULY 21 - OCT 21 2005 INTERNET	89.70	0.00
S.F. STRONG	SF STRONG	SANITIZER, TOWELS	210.34	0.00
SBC	SBC	734 426 8530 570 8	262.43	0.00
THOMAS L STRINGER	STRINGER	COURT APPEARANCE	255.00	0.00
UIS PROGRAMMABLE SERVICES INC	UIS PROGRA	SERVICES THROUGH 5/22/05	496.00	0.00
WASHTENAW COUNTY TREASURER	W CTY TREA	LAW ENFORCEMENT JULY 2005	22,208.44	0.00
WOLVERINE TRACTOR & EQUIPMEN	WOLV TR	FILTERS	137.51	0.00
Grand Total:			106,609.45	0.00

## INVOICE APPROVAL LIST BY FUND

Date: 07/06/2005

Time: 5:12pm

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Village of Dexter

Fund Department Account	GI Number Abbrev	Vendor Name Invoice Description	Check Number	Invoice Number	Due Date	Amount
Fund: General Fund						
Dept: Village Council						
101-101 000-943 000	Council Ch	DEXIER SENIOR CITIZENS CENTER RENI INVOICE	0		07/11/2005	150 00
Total Village Council						150 00
Dept: Village Manager						
101-172 000-721 000	Health & L	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	101.10
101-172 000-727 000	Office Sup	HACKNEY HARDWARE BAG KITCHEN 13 GAL	0	745846	07/11/2005	9.36
101-172 000-727 000	Office Sup	HACKNEY HARDWARE KLEENEX	0	746338	07/11/2005	7.16
101-172 000-955 000	Miscellaneous	DOUG ARNETT WEI PAINT DAMAGE	0		07/11/2005	44.50
Total Village Manager						162 12
Dept: Finance Department						
101-201 000-802 000	Profession	MIDWESTERN CONSULTING 00600	0	03088A-27	07/11/2005	2,116 40
Total Finance Department						2,116 40
Dept: Attorney						
101-210 000-810 000	Attorney F	THOMAS L SPRINGER COURT APPEARANCE	0	06/24/05	07/11/2005	255 00
Total Attorney						255 00
Dept: Village Treasurer						
101-253 000-721 000	Health & I	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	33 70
101-253 000-902 000	Tax Bill P	PRINT-TECH, INC. envelopes & tax bill mailing	0	165594	07/12/2005	285 62
Total Village Treasurer						319 32
Dept: Buildings & Grounds						
101-265 000-727 000	Office Sup	DEXTER CARDS & GIFTS SHOP RECEIPI BOOK	0	792	07/11/2005	6.50
101-265 000-920 000	Utilities	DTE ENERGY 2949 542 0004 3	0		07/11/2005	20.96
101-265 000-920 000	Utilities	DTE ENERGY 2949 542 0005 0	0		07/11/2005	182.92
101-265 000-920 000	Utilities	DTE ENERGY 3219 953 0007 6	0		07/11/2005	365.80
101-265 000-936 000	Equip Serv	LANIER WORLDWIDE, INC. LEASE AGREEMENT	0	1802574	07/11/2005	691.26
101-265 000-943 001	Office Spa	NATIONAL CITY BANK LEASE AGREEMENT	0	AUGUST 2005	07/11/2005	600 00
101-265 000-955 000	Miscellaneous	CHAMPION WATER IREAIMENT BOTTLED WATER	0		07/11/2005	24.00
101-265 000-970 000	Capital Im	ORCHARD, HILTZ & MCCLIMENT INC #0130-04-0063	0	105278	07/12/2005	1,792 25
101-265 000-970 000	Capital Im	ORCHARD, HILTZ & MCCLIMENT INC #0130-04-0064	0	105278-X	07/12/2005	1,637 00
Total Buildings & Grounds						5,320 69
Dept: Village Tree Program						
101-285 000-731 000	Landscape	HACKNEY HARDWARE SCREW IN LADDER HOOK	0	745400	07/11/2005	14.32
101-285 000-731 000	Landscape	HERITAGE IRRIGATION & LANDSCAP TREES MULCH & STAKING	0	329877	07/11/2005	865 92
101-285 000-731 003	Trees for	HERITAGE IRRIGATION & LANDSCAP TREES MULCH & STAKING	0	329877	07/11/2005	2,962 40
101-285 000-803 000	Contracted	HERITAGE IRRIGATION & LANDSCAP TREES MULCH & STAKING	0	329877	07/11/2005	2,000 00
101-285 000-803 000	Contracted	MIDWESTERN CONSULTING 00600	0	03088A-27	07/11/2005	2,211 00
Total Village Tree Program						8,053 64
Dept: Law Enforcement						
101-301 000-803 000	Contracted	WASHIENAW COUNTY TREASURER LAW ENFORCEMENT JULY 2005	0	11982	07/11/2005	22,208 44

## INVOICE APPROVAL LIST BY FUND

Date: 07/06/2005

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Village of Dexter

Fund Department Account	GI Number Abbrev	Vendor Name Invoice Description	Check Number	Invoice Number	Due Date	Amount
Fund: General Fund						
Dept: Law Enforcement						
101-301 000-920 000	Utilities	DEXIER VILLAGE	0		07/11/2005	113.78
		DEXIER FIRE HALL				
101-301 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	221.92
		3219 953 0011 8				
101-301 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	19.41
		3219 953 0011 8				
Total Law Enforcement						22,563.55
Dept: Fire Department						
101-336 000-721 000	Health & I	MICHIGAN CONFERENCE OF	0		07/11/2005	168.50
		DENAL INSURANCE		JUNE 2005		
101-336 000-920 000	Utilities	DEXTER VILLAGE	0		07/11/2005	151.72
		DEXIER FIRE HALL				
101-336 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	25.88
		3219 953 0011 8				
Total Fire Department						346.10
Dept: Planning Department						
101-400 000-721 000	Health & L	MICHIGAN CONFERENCE OF	0		07/11/2005	33.70
		DENAL INSURANCE		JUNE 2005		
101-400 000-861 000	Travel & M	ALLISON BISHOP	0		07/11/2005	15.39
		MILEAGE				
101-400 000-901 000	Printing &	HERITAGE NEWSPAPERS	0		07/11/2005	58.50
		HEARING-PROP AMEND		1811554		
Total Planning Department						107.59
Dept: Department of Public Works						
101-441 000-721 000	Health & L	MICHIGAN CONFERENCE OF	0		07/11/2005	41.79
		DENAL INSURANCE		JUNE 2005		
101-441 000-740 000	Operating	GRAINGER	0		07/11/2005	91.32
		KEY CABINET		236-226752-4		
101-441 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	5.83
		MALL COUPLING		744737		
101-441 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	6.49
		RULE TAPE		745474		
101-441 000-740 000	Operating	HACKNEY HARDWARE	0		07/12/2005	8.98
		SAND PLAY 50 #		X45601		
101-441 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	6.98
		BATTERY ULTRA		746273		
101-441 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	21.99
				746374		
101-441 000-740 000	Operating	PROVIDE NET	0		07/11/2005	44.85
		JULI 21 - OCI 21 2005 INTERNET		07/21/05		
101-441 000-740 000	Operating	PARIS PEDDLER AUTO SUPPLY	0		07/11/2005	29.88
		LINCOLN GREASE GUN		315585		
101-441 000-740 000	Operating	S.F. STRONG	0		07/11/2005	70.30
		SANITIZER, TOWELS		109606-00		
101-441 000-920 000	Utilities	DEXTER VILLAGE	0		07/11/2005	113.78
		DEXIER FIRE HALL				
101-441 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	221.92
		3219 953 0011 8				
101-441 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	19.41
		3219 953 0011 8				
101-441 000-920 001	Telephones	SBC	0		07/11/2005	262.43
		734 426 8530 570 8		06/13/05		
101-441 000-939 000	Vehicle Ma	GRANT'S AUTOMOTIVE & TRUCKING	0		07/11/2005	220.00
		DUMP TRUCK 7400 INTERNATIONAL		0002607		
101-441 000-939 000	Vehicle Ma	MARK'S AUTO SERVICE, INC	0		07/11/2005	84.68
		SHOP SUPPLIES		5735		
101-441 000-939 000	Vehicle Ma	PARIS PEDDLER AUTO SUPPLY	0		07/11/2005	25.99
		MISC PART		315027		
101-441 000-939 000	Vehicle Ma	PARTS PEDDLER AUTO SUPPLY	0		07/11/2005	88.46
		FILTERS		315404		
101-441 000-939 000	Vehicle Ma	PARIS PEDDLER AUTO SUPPLY	0		07/11/2005	500.13
		FILTERS		315336		
101-441 000-939 000	Vehicle Ma	GRANT'S AUTOMOTIVE & TRUCKING	0		07/11/2005	54.00
		2003 F-350 DUMP		0002620		
101-441 000-939 000	Vehicle Ma	WOLVERINE TRACTOR & EQUIPMEN	0		07/11/2005	137.51
		FILTERS		066820		



## INVOICE APPROVAL LIST BY FUND

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Village of Dexter

## Fund

Department Account	GL Number Abbrev	Vendor Name Invoice Description	Check Number	Invoice Number	Due Date	Amount
Fund: General Fund						
Dept: Department of Public Works						
101-441 000-963 000	Medical Ex	DEXTER PHARMACY PERSCRIPTION	0	166466	07/11/2005	21 39
101-441 000-963 000	Medical Ex	DEXTER PHARMACY PERSCRIPTION	0	166467	07/11/2005	42.39
Total Department of Public Works						2,120 50
Dept: Downtown Public Works						
101-442 000-740 000	Operating	HACKNEY HARDWARE METAL SPIKE	0	744649	07/11/2005	7.98
101-442 000-740 000	Operating	HACKNEY HARDWARE HOSE CLAMP	0	745454	07/11/2005	15.84
101-442 000-740 000	Operating	HACKNEY HARDWARE FISHTAPE	0	745449	07/11/2005	16.99
101-442 000-740 000	Operating	HACKNEY HARDWARE LAWN MOWER OIL	0	745447	07/11/2005	1.79
101-442 000-740 000	Operating	HACKNEY HARDWARE PAPER YARD WASTE	0	746298	07/11/2005	4.98
101-442 000-740 000	Operating	HACKNEY HARDWARE EAR PLUGS	0	746372	07/11/2005	7.47
101-442 000-740 000	Operating	HACKNEY HARDWARE TIRE REPAIR	0	746458	07/11/2005	8.49
101-442 000-802 000	Profession	CARDINAL GARDENS GENERAL GROUND WORKS	0	253	07/11/2005	2,819 50
101-442 000-802 000	Profession	DEXTER SENIOR CITIZENS CENTER RENT INVOICE	0		07/11/2005	50.00
101-442 000-920 000	Utilities	DTE ENERGY 2023 733 0001 3	0		07/11/2005	26.36
101-442 000-920 000	Utilities	DTE ENERGY 2027 649 0001 7	0		07/11/2005	39.32
101-442 000-920 000	Utilities	DTE ENERGY 2949 542 0002 7	0		07/11/2005	67.75
101-442 000-920 000	Utilities	DTE ENERGY 2949 542 0001 9	0		07/11/2005	43.90
101-442 000-920 000	Utilities	DTE ENERGY 2949 542 0003 5	0		07/11/2005	71.59
101-442 000-920 000	Utilities	DTE ENERGY 2949 542 0008 4	0		07/11/2005	40.69
101-442 000-920 000	Utilities	DTE ENERGY 3219 953 0006 8	0		07/11/2005	42.76
Total Downtown Public Works						3,265.41
Dept: Engineering						
101-447 000-830 000	Engineerin	ORCHARD, HILTZ & MCCILMENT INC # 0130-03-1032	0	105275	07/12/2005	738 50
101-447 000-830 000	Engineerin	ORCHARD, HILTZ & MCCILMENT INC #0130-05-0011	0	105282	07/12/2005	585 75
Total Engineering						1,324.25
Dept: Parks & Recreation						
101-751 000-721 000	Health & L	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	6.74
101-751 000-731 000	Landscape	CHRISTENSEN'S PLANT CENTER LIONS PARK	0	3497	07/11/2005	285 00
101-751 000-740 000	Operating	HACKNEY HARDWARE STAIN OIL, PAINT BRUSH	0	744645	07/11/2005	29.47
101-751 000-740 000	Operating	HACKNEY HARDWARE WEATHER HOSE	0	744687	07/11/2005	17.97
101-751 000-740 000	Operating	HACKNEY HARDWARE ROUND UP	0	744775	07/11/2005	22.99
101-751 000-740 000	Operating	HACKNEY HARDWARE PAPER YARD WASTE BAG	0	744987	07/11/2005	8.98
101-751 000-740 000	Operating	HACKNEY HARDWARE SHUT OFF VALVE	0	745042	07/11/2005	3.79
101-751 000-740 000	Operating	HACKNEY HARDWARE HOSE END CAP	0	745294	07/11/2005	6.27
101-751 000-740 000	Operating	PARTS PEDDIER AUTO SUPPLY 2 5/16 X1 BALL	0	314106	07/11/2005	15.09
101-751 000-740 000	Operating	PARTS PEDDIER AUTO SUPPLY TERMINAL KIT	0	314459	07/11/2005	39.69

## INVOICE APPROVAL LIST BY FUND

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Village of Dexter

Fund						
Department	GI Number	Vendor Name	Check	Invoice	Due	Amount
Account	Abbrev	Invoice Description	Number	Number	Date	
-----						
Fund: General Fund						
Dept: Parks & Recreation						
Total Parks & Recreation						435.99
Dept: Transfers Out - Control						
101-965.000-999 001	CATS	CHELSEA AREA TRANSPORTATION JULY 2005	0		07/11/2005	833.00
Total Transfers Out - Control						833.00
Fund Total						47,373.56
-----						
Fund: Major Streets Fund						
Dept: Routine Maintenance						
202-463.000-721.000	Health & L	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	35.05
202-463.000-802.000	Profession	MICHIGAN PAVEMENT MARKINGS LLC MARKING STREETS	0	DEXT-0501	07/11/2005	1,593.18
202-463.000-802.000	Profession	MICHIGAN MINERAL RESOURCES, LL MINERAL WATER	0	21843	07/11/2005	660.82
Total Routine Maintenance						2,289.05
Dept: Traffic Services						
202-474.000-721.000	Health & L	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	10.78
Total Traffic Services						10.78
Dept: Winter Maintenance						
202-478.000-721.000	Health & L	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	21.57
Total Winter Maintenance						21.57
Fund Total						2,321.40
-----						
Fund: Local Streets Fund						
Dept: Contracted Road Construction						
203-451.000-970.000	Capital Im	ORCHARD, HILTZ & MCCLIMENT INC 0130-05-0031	0	105283	07/12/2005	20,780.50
Total Contracted Road Construction						20,780.50
Dept: Routine Maintenance						
203-463.000-721.000	Health & L	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	10.78
203-463.000-740.000	Operating	CADILLAC ASPHALT, LLC JOB # 460117	0	209469	07/11/2005	64.64
203-463.000-802.000	Profession	MICHIGAN PAVEMENT MARKINGS LLC MARKING STREETS	0	DEXT-0501	07/11/2005	1,593.18
203-463.000-802.000	Profession	MICHIGAN MINERAL RESOURCES, LI MINERAL WATER	0	21843	07/11/2005	660.81
Total Routine Maintenance						2,329.41
Dept: Traffic Services						
203-474.000-721.000	Health & I	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	2.70
Total Traffic Services						2.70
Dept: Winter Maintenance						
203-478.000-721.000	Health & L	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	5.39
Total Winter Maintenance						5.39
Fund Total						23,118.00
-----						
Fund: Sewer Enterprise Fund						
Dept: Sewer Utilities Department						
590-548.000-721.000	Health & I	MICHIGAN CONFERENCE OF DENAL INSURANCE	0	JUNE 2005	07/11/2005	121.32
590-548.000-740.000	Operating	CHAMPION WATER TREATMENT BOTTLED WATER	0	27698	07/11/2005	16.00

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Village of Dexter

Fund	GL Number	Vendor Name	Check	Invoice	Due	
Department	Abbrev	Invoice Description	Number	Number	Date	Amount
Account						
Fund: Sewer Enterprise Fund						
Dept: Sewer Utilities Departmentg						
590-548 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	2 58
		2 CYCLE OIL		744994		
590-548 000-740 000	Operating	PROVIDE NET	0		07/11/2005	44 85
		JULI 21 - OCI 21 2005 INTERNEI		07/21/05		
590-548 000-740 000	Operating	PARIS PEDDLER AUTO SUPPLY	0		07/11/2005	2 50
		FUSE 3 AMP		314504		
590-548 000-740 000	Operating	S F. STRONG	0		07/11/2005	140 04
		C FOLD, DISINFECTANT		109351-00		
590-548 000-743 000	Chem Lab	NORTH CENTRAL LABORATORIES	0		07/12/2005	298 34
		chemicals		085056		
590-548 000-802 000	Profession	DEXTER RESEARCH	0		07/11/2005	90 00
		REIMBURSE DEXTER RESEARCH		635193		
590-548 000-920 000	Utilities	DEXTER VILLAGE	0		07/11/2005	661 10
		WASTE WATER TREATMENI				
590-548 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	27 51
		3219 953 0001 9				
590-548 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	259 39
		4667 427 0001 9				
590-548 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	14 95
		3219 953 0009 2				
590-548 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	4,086 13
		3219 953 0010 0				
590-548 000-920 001	Telephones	AVAYA, INC.	0		07/11/2005	35 75
		SERVICE AGREEMENT		2721461498		
590-548 000-920 001	Telephones	MCI	0		07/11/2005	13 12
		LONG DISTANCE SERVICE		06/19/05		
590-548 000-935 000	Bldg Maint	HACKNEY HARDWARE	0		07/11/2005	20 98
		PAINT BRUSH		745565		
590-548 000-935 000	Bldg Maint	HACKNEY HARDWARE	0		07/11/2005	9 77
		ROLLER FRAME		745613		
590-548 000-935 000	Bldg Maint	HACKNEY HARDWARE	0		07/11/2005	29 98
		RUST STOP OIL		745913		
590-548 000-935 000	Bldg Maint	HACKNEY HARDWARE	0		07/11/2005	31 47
		ROLLER COVER		746373		
590-548 000-935 000	Bldg Maint	HACKNEY HARDWARE	0		07/11/2005	2 79
		PAINT IHINNER		746454		
590-548 000-935 000	Bldg Maint	HACKNEY HARDWARE	0		07/12/2005	43 25
		BRUSHES & PAIN THINER		745521		
590-548 000-937 000	Equip Main	LA FONTAINE	0		07/11/2005	19 95
		CHANGE OIL & FILTER		CVCS11815		
Total Sewer Utilities Departmentg						5,971 77
Fund Total						5,971 77

## Fund: Water Enterprise Fund

Dept: Water Utilities Department

591-556 000-721 000	Health & L	MICHIGAN CONFERENCE OF	0		07/11/2005	80 88
		DENAI INSURANCE		JUNE 2005		
591-556 000-740 000	Operating	ARBOR MITCHELL CORP	0		07/11/2005	33 40
		WWTP		173975		
591-556 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	3 29
		ALL SEASON DUSTMASK		744680		
591-556 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	14 99
		DRILL BIT		745012		
591-556 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	48 77
		PAINT THINNER		745160		
591-556 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	3 99
		ROUND UP		745841		
591-556 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	2 29
		SEAL ATPE		745912		
591-556 000-740 000	Operating	HACKNEY HARDWARE	0		07/11/2005	21 26
		STRAIGHT SQUEEGE		746071		
591-556 000-740 000	Operating	HACKNEY HARDWARE	0		07/12/2005	6 49
		BATTERY		744774		
591-556 000-802 000	Profession	UIS PROGRAMMABLE SERVICES INC	0		07/11/2005	496 00
		SERVICES THROUGH 5/22/05		5300635		
591-556 000-824 000	Testing &	DEXTER PHARMACY	0		07/11/2005	8 36
		SHIPPING		06/02/05		

## INVOICE APPROVAL LIST BY FUND

Date: 07/06/2005

Time: 5:12pm

Page: 6

Village of Dexter

Fund	GL Number	Vendor Name	Check	Invoice	Due	
Department	Abbrev	Invoice Description	Number	Number	Date	Amount
Account						
Fund: Water Enterprise Fund						
Dept: Water Utilities Department						
591-556 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	56 94
		3219 953 0004 3		6/28/05		
591-556 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	2,775.79
		3219 953 0003 5				
591-556 000-920 000	Utilities	DTE ENERGY	0		07/11/2005	3,304 09
		2949 542 0006 8				
591-556 000-935 000	Bldg Maint	HACKNEY HARDWARE	0		07/11/2005	2.79
		PAINT THINNER		744786		
591-556 000-937 000	Equip Main	HACKNEY HARDWARE	0		07/11/2005	72.44
		GALV STEEL COUPLING		745046		
591-556 000-937 000	Equip Main	HACKNEY HARDWARE	0		07/11/2005	9 58
		THRDD PVC BALL VIVE		746299		
591-556 000-961 000	Wellhead P	CULVER COMPANY	0		07/11/2005	445.37
		PENCILS, STICKERS, ECT.		35232		
591-556 000-977 000	Equipment	ETNA SUPPLY CO	0		07/11/2005	2,480 00
		SENSUS EQUIPMENI		1088844		
Total Water Utilities Department						9,866.72
Fund Total						9,866.72
Fund: Trust & Agency Fund						
Dept: Assets, Liabilities & Revenue						
701-000 000-253 004	Dex Com 3	ORCHARD, HILTZ & MCCLIMENT INC	0		07/11/2005	85 75
		105276		PROJECT #0130-03-1053		
701-000 000-253 008	Dexter Cro	ORCHARD, HILTZ & MCCLIMENT INC	0		07/12/2005	649.50
		#0130-98-0023		105287		
701-000 000-253 010	Eaton Cour	ORCHARD, HILTZ & MCCLIMENT INC	0		07/11/2005	255 00
		PROJECT #0130-03-1023		105274		
701-000 000-253 011	Dexter Cro	ORCHARD, HILTZ & MCCLIMENT INC	0		07/11/2005	103 25
		PROJECT #0130-01-0063		105273		
701-000 000-253 028	Boulder Pa	ORCHARD, HILTZ & MCCLIMENT INC	0		07/11/2005	1,646.75
		105279		PROJECT #0130-04-1022		
701-000 000-253 030	Monument P	ORCHARD, HILTZ & MCCLIMENT INC	0		07/12/2005	829 75
		0130-04-1033		105281		
701-000 000-253 030	Monument P	ORCHARD, HILTZ & MCCLIMENT INC	0		07/12/2005	326.50
		#0130-04-1032		105280		
701-000 000-253 031	Dexter Pla	ORCHARD, HILTZ & MCCLIMENT INC	0		07/12/2005	2,587.75
		dexter plaza #130-05-1012		105284		
701-000 000-253 032	7940 Ann A	ORCHARD, HILTZ & MCCLIMENT INC	0		07/12/2005	917.25
		# 0130-05-1022		104704-6		
701-000 000-253 033	3276 Centr	ORCHARD, HILTZ & MCCLIMENT INC	0		06/17/2005	1,226.50
		# 0130-05-1032		104705-6		
701-000 000-255 000	Cust Depos	HERITAGE IRRIGATION & LANDSCAP	0		07/11/2005	8,910 00
		TREES MULCH & STAKING		329877		
701-000 000-255 000	Cust Depos	HERITAGE IRRIGATION & LANDSCAP	0		07/11/2005	420.00
		TREES MULCH & STAKING		329877		
Total Assets, Liabilities & Revenue						17,958 00
Fund Total						17,958.00
Grand Total						106,609 45

# VILLAGE OF DEXTER

8140 Main Street Dexter, MI 48130-1092

[ddettling@villageofdexter.org](mailto:ddettling@villageofdexter.org)

Phone (734)426-8303

Fax (734)426-5614

## MEMO

**To:** President Seta and Council

**From:** Donna Dettling, Village Manager

**Date:** July 11, 2005

**Re:** Resolution regarding the Dexter Crossing Plat One Drain

**AGENDA** 7.11.05

**ITEM** L-3

As a result of a meeting held on June 29, 2005 to discuss the Dexter Crossing Plat One Drain (Pond #2) the following Resolution is recommended for adoption. Included for your review are the following documents:

- 1) Resolution regarding the Dexter Crossing Plat One Drain (Pond #2)
- 2) Recommendation from OHM to transfer jurisdiction of Plat One Drain (Pond #2)
- 3) Analysis from MCI on the entire drainage system in Dexter Crossing
- 4) Analysis and recommendations from Shawn Keough

Staff is recommending that Village Council request jurisdiction of the Dexter Crossing Plat One Drain from the Washtenaw County Drain Commissioner. This will allow the Village more control over the system, and keep consistency throughout the development

Let me know if you need additional information or have questions.

Thanks,

VILLAGE OF DEXTER, COUNTY OF WASHTENAW,  
STATE OF MICHIGAN  
RESOLUTION REGARDING THE DEXTER CROSSING PLAT ONE DRAIN

At a Regular Meeting of the Council for the Village of Dexter, Washtenaw County, Michigan, held in said Village on the 11th day of July 2005.

MEMBERS PRESENT:

MEMBERS ABSENT:

The following preamble and resolution was offered by \_\_\_\_\_ and supported by \_\_\_\_\_

WHEREAS the Michigan Drain Code MCL 280.395 allows for relinquishment of drainage districts by a county drain commissioner to a municipality upon receipt of a resolution by the governing body of the municipality and upon approval of the county board of commissioners, provided that there is no outstanding indebtedness or contract liability, and;

WHEREAS, the Village of Dexter is requesting that the Washtenaw County Drain Commissioner, under the provisions of Act No. 40 of the Public Acts of 1956, as amended, transfer jurisdiction to the Dexter Village the Dexter Crossing Plat One Drain located entirely in the Village of Dexter; and

WHEREAS, the Village of Dexter agrees to satisfy any outstanding indebtedness owed to the Dexter Crossing Plat One Drain Drainage District under the jurisdiction of the Washtenaw County Drain Commissioner, and to satisfy any outstanding contract liabilities.

NOW THEREFORE BE IT RESOLVED, that the Dexter Village Council on this 11<sup>th</sup> Day of July, 2005 authorized its Administration to execute the petition on behalf of the Village Council requesting jurisdiction of the Dexter Crossing Plat One Drain from the Washtenaw County Drain Commissioner:

ROLL CALL VOTE:

AYES:

NAYES:

ABSENT:

ABSTAIN:

RESOLUTION DECLARED ADOPTED \_\_\_\_\_

\_\_\_\_\_  
David F. Boyle, Clerk

Dated: \_\_\_\_\_



**ORCHARD, HILTZ & McCLIMENT, INC.**

34000 Plymouth Road  
Livonia, MI 48150

p: (734) 522-6711

f: (734) 522-6427

www.ohm-eng.com

July 7, 2005

**VILLAGE OF DEXTER**

8140 Main Street  
Dexter, MI 48130

Attention: Ms. Donna Dettling  
Village Manager

Regarding: **Dexter Crossing  
Detention Pond Review**

Dear Ms. Dettling:

As you are aware, the developer, Blackhawk Development (BHD), recently had their engineer, Midwestern Consulting Inc. (MCI) prepare final as-built and grading drawings for the above project that were distributed January 25, 2005. Upon review of the stormwater management system by the Washtenaw County Drain Commissioner's office (WCDC), it was discovered the Pond II, located in Plat One (Phase I) was insufficient in volume, as compared to the WCDC approved plans dated May 8, 1997.

The developer then proceeded to conduct additional excavation of the pond, which prompted feedback from the residents located near the pond regarding the increased side slopes and the addition of fencing. Over the next several months, the overall system was analyzed by MCI to determine any potential for accepting the system without adding additional detention to Pond II. This information was submitted to our office for review on June 25, 2005. A meeting was then held with all the parties involved on June 29, 2005.

While we are still reviewing the information submitted by MCI, and additional information received at the meeting of June 29, one item that was in question is the WCDC involvement in the project. The meeting of June 29 showed that the WCDC had approved plans that were not consistent with the Village's approved plans for the Phase I, that require a detention volume of 150,000 cubic feet. The WCDC plans called for a detention volume of 160,850 cubic feet.

It is not clear at this time why this development changed during the process from a Plat to a Site Condominium, everyone is aware that the change occurred. Only Phase I (or Plat I) was developed under the plat process. This creates a rather odd situation. The stormwater system in the first Phase, which includes Pond II and detention for several other phases, is under the jurisdiction of the WCDC, while the remaining phases are a private stormwater system. While this can remain in this fashion, Phase I and Pond II must meet the requirements of the WCDC. In addition, should the homeowners association neglect the system and additional maintenance by the WCDC be required in the future, it would be done through a Special Assessment. Since properties outside of the Plat I would receive benefit from such activity, but would not be located in Plat I, the municipality (Village) would be assessed for some of the cost.

It is our understanding that the intent of the Development overall is to have a private stormwater system, owned and operated by the homeowner's association for the development. If this is the case, it is possible that the WCDC involvement in the project could be eliminated. This would also allow the Village to determine the necessary course of action for the acceptance of the stormwater system. I believe the

Dexter Crossing Detention Basin II

July 7, 2005

Page 2 of 2

WCDC has provided documentation of how this can be accomplished.

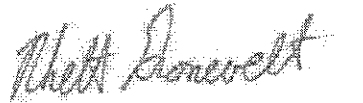
While a final review and recommendation for the details of the stormwater system, in particular Pond II, is not yet completed, it appears that other viable options exist to satisfy the detention requirements for the area without creating a detention basin at Pond II that will have steep slopes and require fencing. We are working with MCI to determine an acceptable solution and hope to have further information before July 11.

At this time, we see no problem proceeding with the abandonment of the WCDC involvement in the Dexter Crossing stormwater system. This will give the Village more control over the system, and keep consistency throughout the development. However, we would recommend that the Village confirm that the properties located in Plat I of the development are legally a part of the Home Owners Association for the rest of the development, and have equal responsibility for any future maintenance or improvement costs for the stormwater system after final acceptance.

Should you have any questions, please feel free to give me a call at 734-522-6711.

Sincerely,

**ORCHARD, HILTZ & McCLIMENT, INC.**



Rhett Gronevelt, P.E.

Client Representative

RG/tjj

cc: Mr. Gary R. Elling, P.E., WCDC, PO Box 8645, Ann Arbor, MI 48107





MIDWESTERN  
CONSULTING

Civil, Environmental and Transportation  
Engineers, Planners, Surveyors,  
Landscape Architects

June 24, 2005

Orchard, Hiltz & McCliment, Inc.  
34000 Plymouth Road  
Livonia, MI 48150

ATTN: Jessica Wood, P.E.

RE: **Dexter Crossing - Phase 1 through 4  
Detention Basins Improvements  
MCLLC No. 02314**

Dear Ms. Wood:

Per your firm's request, we have examined the three constructed detention basins, commonly referred to as Pond I, Pond II and Pond III that are located in the above referenced project. Pond III discharges to Pond I that then discharge to Pond II. Pond's II discharges into the storm system in the development to the west. Ponds I and III act as a single pond as they are connected with a pipe. The discharge from Pond I is supposed to be restricted. The restriction for Pond II is located in the second manhole downstream from the outlet at Pond II.

Enclosed is a topographical survey of the three ponds and the open spaces of Phase One through Four

We have followed the method of the previous calculations for sizing of the Ponds. It should be noted that the allowable discharge,  $Q_A$  had been restricted to 0.0355 cfs/acre at Ponds I and III. Pond II's allowable discharge is 0.0555 cfs/ac. It is our understanding that these numbers were provided by the Township Engineer. Our findings and recommendation for improvements are as follows:

#### POND II

Pond II, located within the open space of Plat One, was not constructed per the design plans.

The calculations for storage in Pond II are based on the concept that water would be retained to elevation 917.00. This is based on the various reviewed and approved drawings that showed this being accomplished by installation of a restriction plate in Structure R-1. Rim elevation of the frame was to be 917.52. The frame was installed in a ten-inch thick concrete flat top. The top elevation of the restriction plate set at 917.00. A 1.4-foot overflow between the top of the plate and bottom of the concrete flat top was to provide overflow for a hundred year storm event. The As-Built plans show that the contractor attempted to build this structure without pointing out the impossible requirements. The top elevation of the installed restriction plate is 914.68. The rim elevation is 917.75.

The constructed pond had a storage volume in the spring of 2004 of 123,420 cu ft. at elevation 917.00 (ignoring the incorrect elevation of the restriction plate) vs the required volume of 159,831 cu ft (original required volume was 142,742 cu ft.) (Note: the original assumed tributary area was 23.3 acres while the current area is actually 25.75 acres.) Part of the storage volume shortage was caused by the outlet pipe being installed at a higher elevation than designed and



that the discharge pipe sloped up instead of down from the outlet. The outlet was constructed 0.30 feet higher than designed. At the first manhole downstream of the outlet the invert elevation was 0.95 feet above its design elevation, 0.49 feet higher than the outlet as constructed. Therefore the bottom elevation for storage of water had been raised 0.79 feet.

The pond was designed with 4 hor : 1 vert. side slopes. When it was surveyed during 2004 the side slopes varied between 5 hor : 1 vert. along the south, west, northwest, north and northeast to 3 hor : 1 vert. or steeper along the east side, Lexington Drive.

During the fall of 2004, the storage volume was increased by steepening the side slopes to a 3 hor : 1 vert. slope along the west side and the south end of the pond was extended further south. The existing slope at the northwest, north and northeast was not regraded. This increased the storage volume to 154,843 cu ft., 4,988 cu ft short of the current required volume of 159,831 cu ft.

If the current side slopes are regraded to provide a 5 hor: 1 vert. slope, additional storage volume will be lost. The pond cannot be easily extended to the south due to the location and elevation of the sanitary sewer and water main that crosses the park. The bottom of the pond is approximately 3.4 feet below the controlling invert elevation downstream.

### **PONDS I and III**

Pond I is located near the center of the R-3 Area, currently being built with attached single-family units. Pond III is located in the open space at the east end of Phase 3.

Pond I receives the discharge from Pond III, the commercial area, Phase 3, and parts of Phases 4, 5 and 7, and the attached single-family development. Pond III receives the discharge for a large area of Phases 5 through 7.

Similar to the discharge pipe from Pond II, the discharge pipes from both of these ponds slopes up instead of down as they drain the ponds. The invert elevation of the 36" pipe at the outlet structure at Pond I was constructed 1.18 feet lower than the last pipe segments above the discharge into Pond II. The bottom of Pond I is approximately 4.3 feet below the controlling invert elevation downstream.

The problems at Pond III are not as severe as the other two ponds. There is a loss of only 0.33 feet in the first segment out of the pond and the bottom is approximately 0.55 feet lower than the controlling invert elevation downstream.

Ponds I and III are designed to act together with the control outlet located at the discharge point at Pond I. The upright shaft of the outlet filter structure at Pond I was constructed, but the control portion outside the structure was not. The structure has an 8" high by 12" wide outlet at the same elevation as the 36" pipe. Additional access into the upright structure is provided by the two 3" diameter-lifting holes near the top of each segment of the structure.

Similar to the other ponds the 36" diameter outlet pipe which discharges Pond I to Pond II was not constructed per plans. At the outlet, the 36" pipe was installed 1.19 feet lower than designed and the last segment of the pipe before the outfall at Pond II was constructed 0.40 to 0.50 feet to high.



Dexter Crossing  
June 24, 2005  
Page 3 of 3

All three ponds were intended to have a normally dry bottom.

**Recommendations:**

The hydrological concerns can be corrected to the constructed ponds by installing the installing the following improvements similar to the original reviewed and approved devices.

A new structure with the restricted plate sized for the current pond volume will be constructed 20 feet west of the current structure. Dirt will be mounded up to the top of the new structure. The restriction plate in the current manhole will be removed.

At Pond I the intended standpipe that was not completed will be installed with modifications to elevation to reflect the current volume. The 8" x 12" inlet at the bottom and the various lift holes will be plugged and sealed.

These improvements to the identified hydrological problems discovered to date can be addressed by installing the improvements recommended.

If you have any further questions regarding the easements please direct them to the undersigned.

Sincerely Yours,

**MIDWESTERN CONSULTING LLC**

Martin E. LaForte, RLA

encl: Sheet 8A - Open Space Grading and Detention Pond II  
Sheet 8B - Open Space Grading and Detention Ponds I and III  
Sheet 1 of 2 - Structure R-1A  
Sheet 2 of 2 - Pond I Outlet

cc: G. Elling, WCDC  
J. Bonar, Blackhawk  
E. Ophoff, MCLLC



# DEXTER CROSSING - PONDS I THROUGH III

## DRAINAGE / DETENTION CALCULATIONS:

Pond No. I Area	Acreage	Cc	Qa	Qo	T	Vs (CF)	Vt (CF)	FF (CF)	BF (CF)
Commercial into Pond I	15.04	0.77	0.53	0.05	447.95	14,802	171,416	21,019	59,757
R-3 Area into Pond I	9.72	0.46	0.35	0.08	340.55	14,320	64,029	8,115	23,071
Phase 3 into Pond I	8.89	0.36	0.32	0.10	298.38	14,047	44,958	5,809	16,514
Phase 4 into Pond I	5.77	0.36	0.20	0.10	298.38	14,047	29,179	3,770	10,718
Phase 5 into Pond I	2.31	0.36	0.08	0.10	298.38	14,047	11,682	1,509	4,291
Subtotals	41.73		1.48				321,264	40,222	114,351

Pond No. II Area	Acreage	Cc	Qa	Qo	T	Vs (CF)	Vt (CF)	FF (CF)	BF (CF)
Plat 1 into Pond II	8.39	0.43	0.67	0.19	210.44	13,182	47,556	6,548	18,616
Dan Hoey Outlot	1.46								
Office Area into Pond II	4.25	0.72	0.34	0.11	279.65	13,903	42,543	5,554	15,790
Phase 2 and 5 into Pond II	4.97	0.38	0.18	0.09	307.25	14,110	26,649	3,428	9,745
Phase 5 and 7 into Pond II	5.58	0.38	0.20	0.09	307.25	14,110	29,920	3,849	10,941
R-3 Area into Pond II	0.6	0.77	0.02	0.05	447.95	14,802	6,838	839	2,384
Phase 3 into Pond II	0.5	0.85	0.02	0.04	471.91	14,882	6,325	771	2,193
Subtotals	25.75		1.43				159,831	20,989	59,669

Pond No. III Area	Acreage	Cc	Qa	Qo	T	Vs (CF)	Vt (CF)	FF (CF)	BF (CF)
Phase 3 into Pond III	3.94	0.36	0.14	0.10	298.38	14,047	19,925	2,574	7,319
Phase 4 into Pond III	1.87	0.36	0.07	0.10	298.38	14,047	9,457	1,222	3,474
Future Ph 7-11 into Pond III	20.62	0.36	0.73	0.10	298.38	14,047	104,277	13,473	38,304
Subtotals	26.43		0.94				133,659	17,269	49,097

SW Corner (fut. Det.Basin)	16.75	0.36	No Outlet - See Separate Calculations						
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Pond Area	Acreage	Cc	Qa	Qo	T	Vs (CF)	Vt (CF)	FF (CF)	BF (CF)
GRAND TOTALS	110.66		3.85				614,754	78,480	223,117

Off-Site	71.5	0.15	2.54	0.24	183.74	12,784	137,113	19,466	55,341
----------	------	------	------	------	--------	--------	---------	--------	--------

**DETENTION POND CALCULATIONS:**      Volume      =       $H / 3 (A_1 + A_2 + (A_1 A_2)^{0.5})$

Pond II:			
Elevation	Area (SF)	Volume (CF)	3 Volume (CF)
917	34,582	32,722	154,843
916	30,897	29,148	122,121
915	27,433	25,692	92,973
914	23,989	22,256	67,281
913	20,567	18,863	45,025
912	17,209	15,499	26,162
911	13,850	10,663	10,663
910.13*	10,728	0	0

\*Sewer outlet elevation at R-2A located at Pond II is 909.64. The invert elevation at MH-2, 159 feet downstream from R-2A, is 910.13.

Volume Required = 159,831 CF

100-year High Water Elevation = 917.03

Pond I:			
Elevation	Area (SF)	Volume (CF)	3 Volume (CF)
922	51,662	49,989	394,236
921	48,334	46,709	344,247
920	45,103	43,527	297,538
919	41,970	40,441	254,011
918	38,932	37,452	213,570
917	35,992	34,560	176,118
916	33,148	31,766	141,558
915	30,403	29,070	109,792
914	27,757	26,472	80,722
913	25,207	23,968	54,250
912	22,750	19,742	30,282
911	20,365	10,540	10,540
910.30*	18,760	0	0

\*Outlet elevation at R-29 located at Pond I is 909.12. The invert elevation at ST-27, 391 ft downstream from the Pond outlet, is 910.30

Pond III:			
Elevation	Area (SF)	Volume (CF)	3 Volume (CF)
922	67,952	57,418	177,988
921	47,494	38,934	120,570
920	30,961	26,180	81,636
919	21,675	19,052	55,456
918	16,545	14,574	36,404
917	12,689	11,020	21,830
916	9,432	7,713	10,810
915	6,113	2,933	3,097
914	1,506	164	164
913.35*	10		

\* Outlet elevation at R-25A located at Pond III is 913.02. The invert elevation at ST-25, 42 ft downstream from R-25A, is 913.35.

**POND I + III Combined (functioning as one):**

Allowable discharge	=	1.48	+	0.94	=	2.42 cfs
100-year Volume Required	=	321,264	+	133,659	=	454,923 cu ft
100-year High Water Elevation	=	920.88				
Bankfull Volume Required	=	114,351	+	49,097	=	163,448 cu ft
Bankfull Volume at Elevation	=	916.24				
First-Flush Volume Required	=	40,222	+	17,269	=	57,491 cu ft
First-Flush Volume at Elevation	=	913.04				(All in Pond I)

**First-Flush Outlet**

First-Flush Volume at Elevation	=	913.04
First-Flush Volume Outlet Inv. Elev.	=	910.30
First-Flush Volume (CF)	=	57,491 cu ft

$$\begin{aligned}
 Q_{FF} &= 57,491 / 24 / 3600 \\
 &= 0.665 \text{ cfs} \\
 H_{AVG} &= 2/3 (913.04 - 910.30) \\
 &= 1.83 \text{ ft} \\
 A &= 0.665 / 0.62 \times (2 \times 32.2 \times 1.83)^{0.5} \\
 &= 0.0988 \text{ sq ft}
 \end{aligned}$$

Size of Hole = 4.0 in dia. = 0.0873 sq ft.  
 Place hole at outlet elevation of 910.30

Detention time for four-inch diameter hole at elevation 910.30

$$\begin{aligned}
 Q_{FF} &= 0.0873 \times 0.62 \times (2 \times 32.2 \times 1.83)^{0.5} \\
 &= 0.5376 \text{ cfs} \\
 T_{FF} &= 57,491 / 0.62 \times 3600 \\
 &= 27.2 \text{ hrs}
 \end{aligned}$$

**Bankfull Outlet**

Bankfull Volume at Elevation	=	916.24
Bankfull Volume Outlet Inv. Elev.	=	913.04
Bankfull Volume	=	163,448 cu ft

Check discharge of Bankfull volume through first-flush orifice of 4.0 in diameter:

$$\begin{aligned}
 H_{AVG} &= 2/3 (916.24 - 913.04) \\
 &= 3.96 \text{ ft} \\
 Q &= 0.62 \times 0.0873 \times (2 \times 32.2 \times 3.96)^{0.5} \\
 &= 0.86 \text{ cfs} \\
 T &= 163,448 / 0.86 / 3600 \\
 &= 52.8 \text{ hrs}
 \end{aligned}$$

Time exceeds 48 hours additional orifice needed

Use 40 hours for detention time

$$\begin{aligned}
 V_{REM} &= 163,448 - 57,491 \\
 &= 105,957 \text{ cu ft} \\
 T &= 40.0 - 27.2 \\
 &= 12.8 \text{ hrs}
 \end{aligned}$$

Volume through four-inch hole in 12.8 hours

$$\begin{aligned}
 Q_{FF} &= 0.62 \times 0.0873 \times (2 \times 32.2 \times 3.96)^{0.5} \\
 &= 0.18 \text{ cfs} \\
 H_{AVE} &= 2/3 \times (916.24 - 913.04) \\
 &= 3.96 \text{ ft} \\
 V &= 12.8 \times 0.86 \times 3600 \\
 &= 39,813 \text{ cu ft}
 \end{aligned}$$

Remaining Volume

$$\begin{aligned} V &= 105,957 - 39,813 \\ &= 66,144 \text{ cu ft} \\ Q &= 66,144 / 12.8 / 3600 \\ &= 1.435 \text{ cfs} \end{aligned}$$

Calculate additional hole as needed:

$$\begin{aligned} H_{AVG} &= 2/3 (916.24 - 913.04) \\ &= 2.13 \text{ ft} \\ A &= 1.43 / 0.62 (2 \times 32.2 \times 2.13)^{0.5} \\ &= 0.1969 \text{ sq ft} \\ \text{Size of Hole} &= 6.0 \text{ in dia} = 0.1963 \text{ sq ft} \\ \text{Place hole at First-Flush Elevation} &= 913.04 \end{aligned}$$

100-year Outlet

$$\begin{aligned} \text{100-year Volume at Elevation} &= 920.88 \\ \text{100-year Outlet Inv. Elev.} &= 916.24 \\ \text{100-year Volume} &= 454,923 \text{ cu ft} \end{aligned}$$

Check discharge of 100-year volume through first-flush and bankfull holes.

$$\begin{aligned} Q_{FF} + Q_{BF} &= 0.62 \times 0.0873 \times (2 \times 32.2 \times 1.83)^{0.5} = 0.59 \text{ cfs} \\ &= 0.62 \times 0.1963 \times (2 \times 32.2 \times 2.13)^{0.5} = 1.42 \text{ cfs} \\ &= 0.59 + 1.42 \\ &= 2.01 \text{ cfs} \end{aligned}$$

The remaining allowable outflow

$$\begin{aligned} Q &= 2.42 - 2.01 \\ &= 0.41 \text{ cfs} \\ H_{AVG} &= (920.88 - 916.24) \\ &= 4.64 \text{ ft} \\ A &= 0.41 / 0.62 (2 \times 32.2 \times 4.64)^{0.5} \\ &= 0.0388 \text{ sq ft} \\ \text{Size of Hole} &= 2.1/2 \text{ in dia} = 0.0341 \text{ sq ft} \\ \text{Place hole at Bankfull elevation} &= 916.24 \end{aligned}$$

POND II

$$\begin{aligned} \text{Allowable discharge} &= 1.43 \text{ cfs} \\ \text{100-year Volume Required} &= 159,831 \text{ cu ft} \\ \text{100-year High Water Elevation} &= 917.00 \\ \text{Bankfull Volume Required} &= 59,669 \text{ cu ft} \\ \text{Bankfull Volume at Elevation} &= 913.65 \\ \text{First-Flush Volume Required} &= 20,989 \text{ cu ft} \\ \text{First-Flush Volume at Elevation} &= 911.67 \end{aligned}$$

First-Flush Outlet

$$\begin{aligned} \text{First-Flush Volume at Elevation} &= 911.67 \\ \text{First-Flush Volume Outlet Inv. Elev.} &= 908.81 \\ \text{First-Flush Volume (CF)} &= 20,989 \text{ cu ft} \end{aligned}$$

$$\begin{aligned} Q_{FF} &= 20,989 / 24 / 3600 \\ &= 0.243 \text{ cfs} \\ H_{AVG} &= 2/3 (911.67 - 908.81) \\ &= 1.91 \text{ ft} \\ A &= 0.665 / 0.62 \times (2 \times 32.2 \times 1.91)^{0.5} \end{aligned}$$

$$= 0.0967 \text{ sq ft}$$

Size of Hole = 4.0 in dia. = 0.0873 sq ft.  
 Place hole at outlet elevation of 908.81

Detention time for four-inch diameter hole at elevation 908.81

$$\begin{aligned} Q_{FF} &= 0.0873 \times 0.62 \times (2 \times 32.2 \times 1.91)^{0.5} \\ &= 0.60 \text{ cfs} \\ T_{FF} &= 20,989 / 0.62 \times 3600 \\ &= 9.4 \text{ hrs} \end{aligned}$$

#### Bankfull Outlet

$$\begin{aligned} \text{Bankfull Volume at Elevation} &= 913.65 \\ \text{Bankfull Volume Outlet Inv. Elev.} &= 911.67 \\ \text{Bankfull Volume} &= 59,669 \text{ cu ft} \end{aligned}$$

Check discharge of Bankfull volume through first-flush orifice of 4.0 in diameter:

$$\begin{aligned} H_{AVG} &= 2/3 (913.65 - 911.67) \\ &= 1.32 \text{ ft} \\ Q &= 0.62 \times 0.0873 \times (2 \times 32.2 \times 1.32)^{0.5} \\ &= 0.50 \text{ cfs} \\ T &= 59,669 / 0.50 / 3600 \\ &= 33.1 \text{ hrs} \end{aligned}$$

Time does NOT exceed 48 hours. No additional orifice needed.

#### 100-year Outlet

$$\begin{aligned} \text{100-year Volume at Elevation} &= 917.00 \\ \text{100-year Outlet Inv. Elev.} &= 913.65 \\ \text{100-year Volume} &= 159,831 \text{ cu ft} \end{aligned}$$

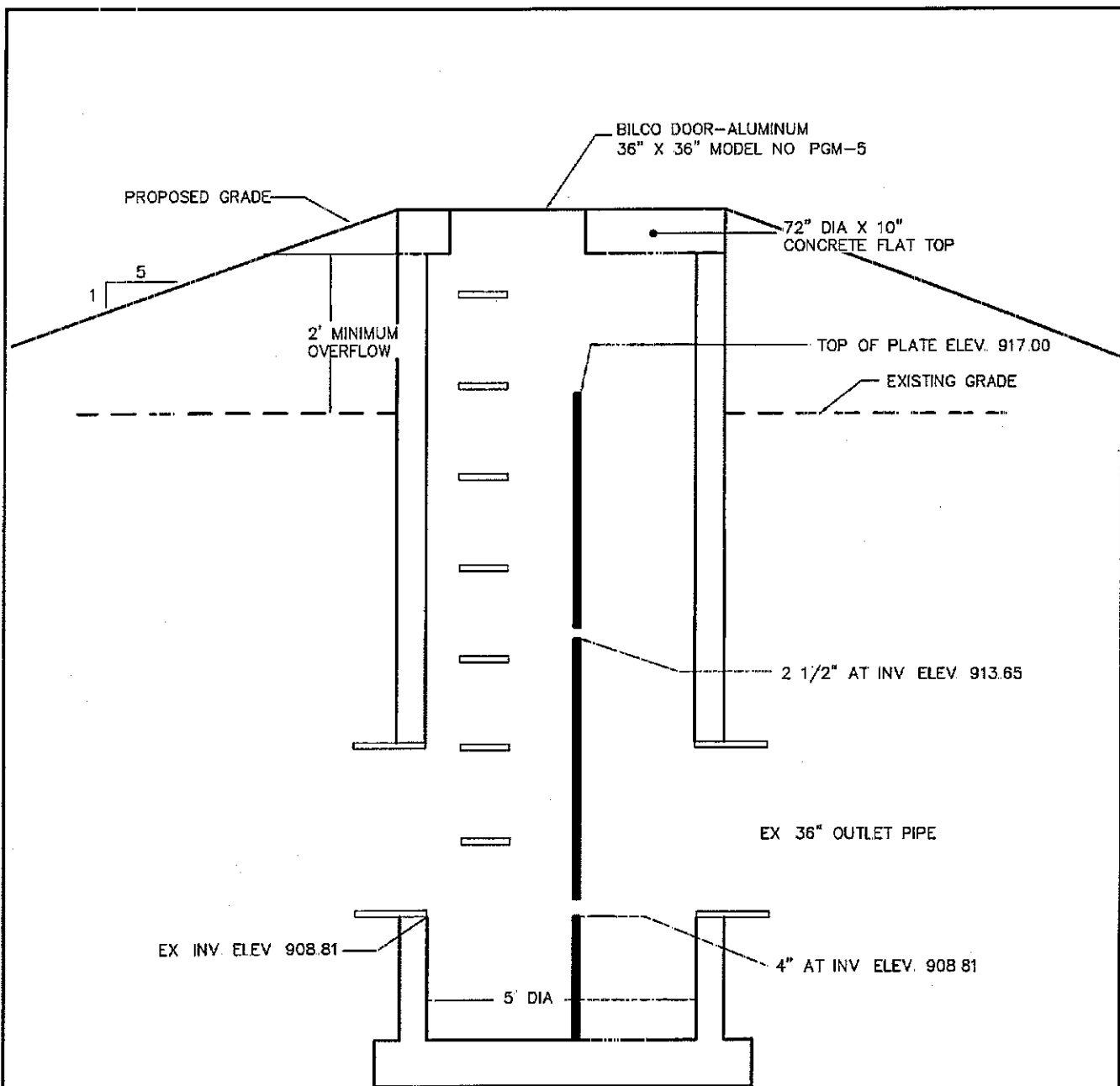
Check discharge of 100-year volume through first-flush and bankfull holes.

$$\begin{aligned} Q &= 0.62 \times 0.0873 \times (2 \times 32.2 \times 2/3 \times (917.00 - 908.81))^{0.5} \\ &= 1.01 \text{ cfs} \end{aligned}$$

The remaining allowable outflow

$$\begin{aligned} Q &= 1.43 - 1.01 \\ &= 0.42 \text{ cfs} \\ H_{AVG} &= 2/3 \times (917.00 - 908.81) \\ &= 5.46 \text{ ft} \\ A &= 0.42 / 0.62 (2 \times 32.2 \times 5.46)^{0.5} \\ &= 0.0361 \text{ sq ft.} \\ \text{Size of Hole} &= 2.1/2 \text{ in dia.} = 0.0341 \text{ sq ft} \\ \text{Place hole at Bankfull elevation 913.65} \end{aligned}$$





# MIDWESTERN CONSULTING



Civil, Environmental and  
Transportation Engineers  
Planners, Surveyors  
Landscape Architects

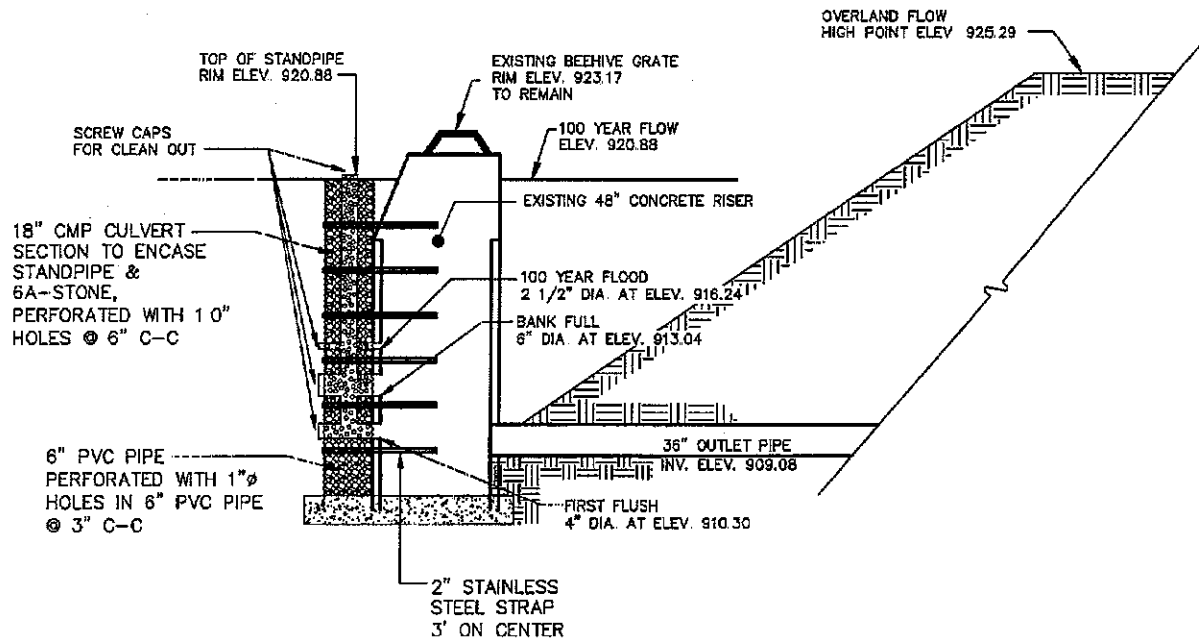
3815 Plaza Drive  
Ann Arbor, Michigan 48108  
Phone: 734.995.0200  
Fax 734.995.0599

STRUCTURE R-1A

DATE: 6/24/05

JOB NO: **02314**

SHEET 1 OF 2



PLUG & SEAL  
 2- 3" DIA HOLES AT ELEV. 921.72  
 2- 3" DIA HOLES AT ELEV. 917.29  
 8" X 12" OPENING AT ELEV. 912.12

# MIDWESTERN CONSULTING



Civil, Environmental and  
 Transportation Engineers  
 Planners, Surveyors  
 Landscape Architects

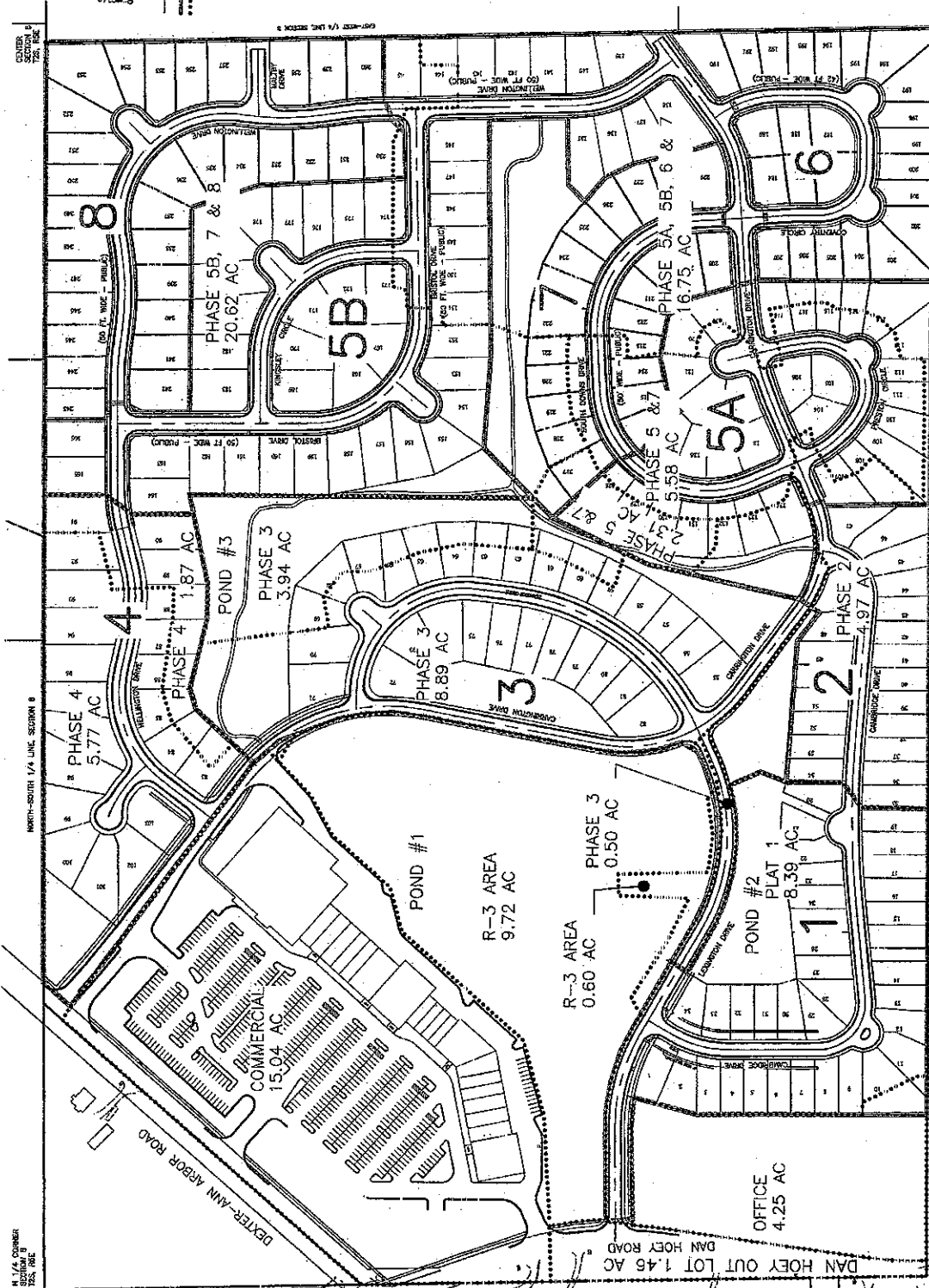
3815 Plaza Drive  
 Ann Arbor, Michigan 48108  
 Phone: 734.995.0200  
 Fax 734.995.0599

## POND 1 OUTLET

DATE: 6/24/05

JOB NO: **02314**

SHEET 2 OF 2

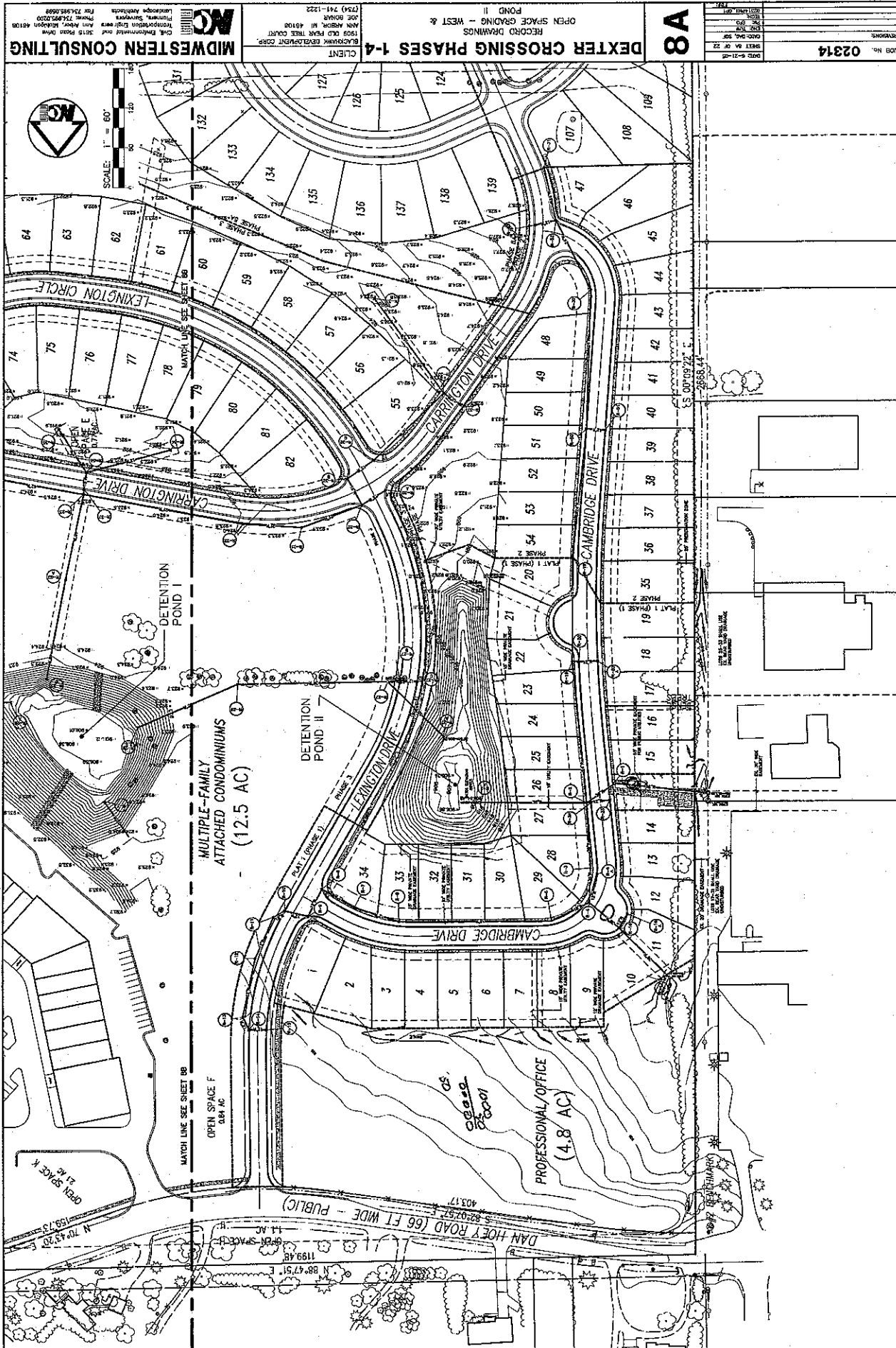


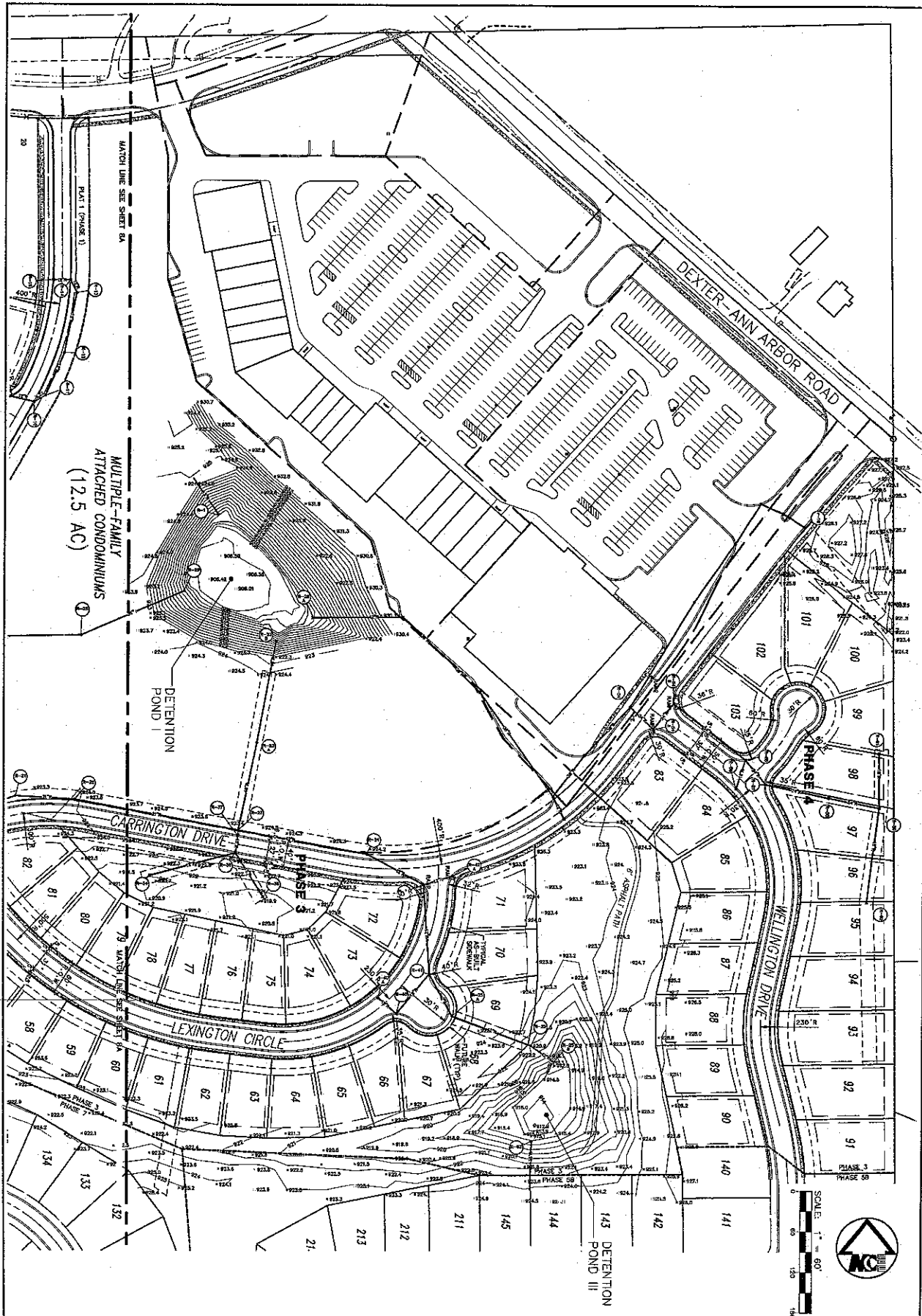
DATE: 04-21-09
SHEET 9A OF 22
DATE: 04-21-09
BY: J. J. J.
CHECKED BY: J. J. J.
DESIGNED BY: J. J. J.
APPROVED BY: J. J. J.

8A

DEXTER CROSSING PHASES 1-4  
CLIENT: BLACKWATER DEVELOPMENT CORP.  
1909 OLD PEAR TREE COURT  
ANN ARBOR, MI 48106  
(734) 741-1222

MIDWESTERN CONSULTING  
Civil, Environmental and  
Transportation Engineers  
Phone: 734.985.0000  
Fax: 734.985.0008  
3015 Road Drive  
Ann Arbor, MI 48106





JOB No.	02314
DATE	8/21/08
SHEET	OF
CADD	1/11/11
DATE	11/11/11
TIME	11:11 AM
USER	11/11/11

**8B**

# **DEXTER CROSSING PHASES 1-4** RECORD DRAWINGS OPEN SPACE GRADING - EAST & POND I & II

CLIENT  
BLACKHAWK DEVELOPMENT CORP.  
1808 OLD PEAR TREE COURT  
ANN ARBOR, MI 48105  
JOE ROVER  
(734) 741-1222

**MIDWESTERN CONSULTING**  
Civil, Environmental and  
Transportation Engineers  
Planners, Surveyors  
Landscape Architects  
3815 Plaza Drive  
Ann Arbor, Michigan  
Phone: 734.965.0200  
Fax: 734.965.0639

June 28, 2005

Village of Dexter  
8140 Main Street  
Dexter, Michigan 48130

Attention: Ms. Allison Bishop, Community Development Director  
Mr. Jim Seta, Village President  
Mr. Jim Carson, Village Council

Re: Dexter Crossing  
Ideas for Resolving Detention Pond No. 2 Storage Deficiency

Dear Ms. Bishop:

At the June 13, 2005 Village Council meeting, Jim Carson and I were asked to represent Village Council by attending meetings with Blackhawk Development with specific attention to the detention volume deficiencies and steep side slopes around Detention Pond No. 2 in the Dexter Crossing Subdivision.

**Description of Existing System (as I understand it)**

The Dexter Crossing development is located due east of the Dexter Business and Research Park (DBRP). Dexter Crossing has been divided into several phases that total approximately 110.66 acres (info taken from Dexter Crossing PUD site plan dated February 6, 1996). There are 3 detention ponds within the Dexter Crossing development. Pond No. 3 and Pond No. 1 are upstream of Pond No. 2. Pond No. 2 is located within Dexter Crossing Plat One and therefore under the review authority of the Washtenaw County Drain Commission as well as the Village of Dexter.

The outlet from Detention Pond No. 2 is a 36-inch pipe that leads to a storm manhole with several steel weir plates installed to control the discharge during varying levels of water within the pond. Once the water passes through the steel plates, it flows through a 36-inch storm sewer into the DBRP. I have not been able to review DBRP Sub No. 1 plans that may show how this 36-inch storm sewer is connected to the DBRP storm sewer system. However, it appears that this 36-inch storm sewer (through the DBRP) is the 100 year overflow outlet from Dexter Crossing, if necessary.

The DBRP has one very large detention pond on the west side of the industrial park. While I am still trying to verify the exact acreage of the DBRP, it appears that it is approximately 134 acres (128 park + 6 ROW). I have reviewed a set of DBRP Sub No. 2 plans from Ed Lobdell that provide calculations (copy attached for reference) for the DBRP design storage volume and volume provided in the DBRP detention pond.

### **Description of Problems**

The following is my attempt to verbalize the existing problems that exist related to the storm sewer system in the Dexter Crossing development.

1. Detention Pond No. 2, located in Dexter Crossing Plat One, has not been constructed per the original design plans. Currently, the pond is fenced and has steep side slopes, neither of which is in accordance with the original design plans that I was able to review. The plans, dated February 6, 1996, that I have reviewed were obtained from the Village office. Sheet 4 indicates that Detention Pond No. 2 should provide 142,742 cubic feet of storage to meet Washtenaw County Drain Commission (WCDC) requirements for a tributary acreage of 23.3 acres. There is also a storage "volume provided" table on this same page that shows a high water surface elevation of 917.00, and a corresponding storage volume of 150,870 cubic feet at that elevation. The contour plan of the pond on sheet 3 shows the bottom elevation at approximately 910.00 with an outlet invert elevation of 909.34. This slightly submerged outlet pipe would appear to indicate that the pond was intended to drain to a dry condition.
2. There are rumors that a portion of the 36-inch outlet sewer from Pond No. 2 has been installed with an incorrect upward sloping grade. That is to say that it rises as it goes away from the pond, before falling toward the storm water control manhole (identified as STMH 1 on the Dexter Crossing Plat One plan sheets 3 and 4) with the steel weir plates, creating an unintended control elevation somewhere within the 36-inch outlet pipe. The MCI report verifies this to be true.

### **Recommended Village Goals (I think it is important to establish these up front)**

I recommend that the Village identify goals for this exercise. These goals will help guide the decision making as the facts are presented and solutions are developed. I would recommend the following goals as a starting point in this discussion (please feel free to add to or subtract from this list):

1. To reconfigure Detention Pond No. 2, with side slopes of 1 vertical to 5 horizontal, such that no fencing is required around Detention Pond No. 2 and so it is safe for the neighborhood.
2. To understand and verify the storage volume requirements for storm water control throughout the Development, including any off-site areas that may be tributary to the development.
3. To determine that the storm sewer system that has been constructed well and works properly (although, not necessarily exactly as it was originally designed).
4. To create a partnership with Washtenaw County Drain Commission in order to find a creative solution (ideally a regional solution) that will lead to WCDC and Village

approval of specifically Detention Pond No. 2, but also the entire Dexter Crossing drainage system.

5. To determine a series of improvements, modifications or adjustments to the existing storm sewer system and specifically Detention Pond No. 2 within the Dexter Crossing development that will lead to a system the Village/WCDC can accept for dedication from Blackhawk Development.

#### **Detention Pond Authority**

Detention Pond No. 2 appears to be the responsibility of both the Village and the Washtenaw County Drain Commission. The pond area (open space) and outlet easement are both identified on Dexter Crossing Plat One as a drainage easement to both the Village of Dexter and the Washtenaw County Drain Commission. I believe Goal No. 4 identified above is very important because of this shared responsibility.

#### **Regional Solutions**

I believe that there is a regional solution that can be developed to solve this issue. According to the attached design calculations, taken from page 17 of 23 of the DBRP Subdivision No. 2 plans, the DBRP Detention Pond provides just over 1,028,000 cubic feet of storage up to elevation 901.5. The required volume for the 134 acres used in the calculation is only approximately 965,000 cubic feet. This results in an excess of 63,000 cubic feet of storage that is just downstream from Dexter Crossing Detention Pond No. 2.

With a little earthwork, I believe it is probably feasible to raise the high water and spillway elevation level in the DBRP above the 901.5 design elevation. This would not adversely affect the detention pond and would create even more available storage for a regional solution. For example, by adding 1 additional foot to the high water spillway elevation in the DBRP detention pond, approximately 190,000 cubic feet of additional storage could be provided, which is more than Dexter Crossing Detention Pond No. 2 is designed for currently.

#### **Review of MCI Report Dated June 24, 2005**

While I have not had a chance to review each detail, I believe there is a lot of very good "as-built" information regarding how the 3 ponds have been constructed. There is significant detail regarding the storage volume provided in each pond. This report does answer the question about how much volume is provided in Detention Basin No. 2. The report indicates that before the additional winter excavation that was performed, the pond only provided 123,420 cubic feet of storage volume, a deficiency of approximately 30,000 to 36,000 cubic feet, depending on verification of the tributary acreage. What this tells me is that if we could use the DBRP pond to cover the deficient storage volume, we probably could return Detention Pond No. 2 back to a smaller pond with 1 on 5 side slopes and still be ok.

Please note that the MCI report indicates that the required volume for Pond No. 2 is 159,831 cubic feet, which is different from the plans that the Village has on its plan rack. We should



verify that the Village/OHM and the WCDC are all working from the same approved set of plans.

There are several pages of calculations provided with the 3 page letter. Most of the calculations provided are re-designs for the outlet controls at the ponds based on the actual field conditions that were surveyed. While I have only reviewed these briefly, I believe there may be a couple small math errors (i.e. page 3 of 5 – Bankfull Outlet – Volume through four inch hole in 12.8 hours – QFF should equal 0.86 cfs not 0.18 cfs, I think). I think there may be a couple others, but these can all be checked by OHM.

The missing recommendation from the report is how to reconfigure Pond No. 2 so that the side slopes and detention volume meet the approved plans. While they have commented that re-grading the pond to have side slopes of 1 on 5 will result in lost storage volume, I am disappointed that they have not made any recommendations on how to do this and fix the problem so that it meets our goals and the original approved plans.

#### **Recommendations on Next Steps**

I would offer the following recommendations on how to proceed and/or questions for our Village Engineer (OHM) to review, verify or answer:

1. Verify the tributary area of both the DBRP and the Dexter Crossing developments to insure that all areas are accounted for and that we have not double counted any area along the way.
2. Review the DBRP detention calculations and update the available storage in the DBRP based on the new elevations established during the recent sediment removal and cleaning of the detention pond.
3. Review the MCI calculations in detail so that we concur with the volume that is being provided currently.
4. Re-design Pond No. 2 so that it has 1 on 5 side slopes, with no fence. This may require extending the incoming and outgoing pipes so that there is more horizontal room to flatten the slope (or an even wilder idea may be to move Lexington to the east to create more room for the proper pond in this area).
5. Have OHM analyze the regional solution using the data provided by MCI to determine if a regional approach will work. I believe it will and I think the WCDC would find this to be an acceptable and logical approach to this entire drainage district as a whole.
6. Develop a list of solutions that meet the Villages goals, including the regional solution, and others internal to Dexter Crossing. From my perspective, leaving Detention Pond No. 2 as it is today is not an option that should be considered a solution.
7. Analyze the potential costs of the various alternatives and present that to the group and Blackhawk for discussion.

### **Other Related Issues**

1. The standpipe outlet structure from Dexter Crossing Detention Pond No. 1 is extremely unsightly. In addition, there has been no permanent vegetation established around this pond and it is likely that excess sediment is eroding from around the incoming pipes and banks and washing downstream into Detention Pond No. 2. This excess sediment may also contribute to blockages in the steel weir plates in control structure downstream of Detention Pond No. 2.
2. Relative to the issue of wet ponds versus dry ponds, I offer the following thoughts. Dry ponds do not allow anywhere for the natural sediments that are present in the runoff to settle out as the water passes through the detention pond. Wet ponds allow for the heavier particles to settle as they pass through the permanent pool from the inlet to the outlet structure. If we are concerned about reducing sediment transport downstream, I would recommend that we consider an outlet structure in both Pond No. 1 and Pond No. 2 that creates a shallow permanent pool to accomplish this reduction in sediment flowing downstream. Long term, this likely means that the Village or Associations will have to clean out these ponds, but that is not an activity that would become a maintenance headache as the interval between cleaning is high (every 5 or 10 years probably after the site is developed).

I apologize for not being able to attend the meeting. Please share my ideas with the group. I hope they stimulate some good discussion and other good ideas. I look forward to attending any future meetings following my vacation. Please feel free to call me tomorrow on my cell phone if you need me to clarify any of these ideas or concepts.

Very truly yours,

Shawn W. Keough  
Village Trustee

SWK

H:\config\Shawn in Dexter\Village Council\Dexter Crossing\Letter to Allison June 282005.doc

Enclosure

cc: Ms. Donna Dettling, Village Manager  
Mr. John Hanifan, Asst. Village Manager  
Village Council

# VILLAGE OF DEXTER

8140 Main Street Dexter, MI 48130-1092

[ddettling@villageofdexter.org](mailto:ddettling@villageofdexter.org)

Phone (734)426-8303

Fax (734)426-5674

## MEMO

**To:** President Seta and Council  
**From:** Donna Dettling, Village Manager  
**Date:** July 11, 2005  
**Re:** Community Partners For Clean Streams

AGENDA 7-11-05  
ITEM L-4


Attached is information on how to become a Partner in the "Community Partners For Clean Steams". There is no cost to participate, and participation would enhance our efforts with Phase II (Storm Water) Compliance as well as our NPDES Permit for the Wastewater Treatment facility.

I am recommending that the village become a partner, and if Council agrees a simple motion directing the Village Manager to initiate this partnership would be in order.


Let me know if you need additional information or have questions about this proposal.

Thanks,

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## Community Partners For Clean Streams



A water quality cooperative effort between businesses,  
institutions and the Washtenaw County Drain  
Commissioner's Office

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## The Community Partners Mission

The Community Partners for Clean Streams  
Program promotes business practices that  
prevent pollution to protect the quality of  
Washtenaw County waterways.



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3

## Who Can Participate?

Community Partners welcomes businesses, institutions  
and multi-family residential landowners in Washtenaw  
County to apply for Partnership.

Partners Emphasizes:

- Practical, cost effective ways to promote pollution  
prevention
- Free technical advice from the Drain Commissioner's  
professional staff
- Self assessment of daily site activities
- Recognition of Partners' efforts

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# Current Community Partners

- American Leak Detection
- Ann Arbor District Library
- **Ann Arbor District Schools**
- Ann Arbor Hands-On Museum
- Ann Arbor Municipal Airport
- Ann Arbor Public Schools
- Ann Arbor Senior Center
- *Ann Arbor Township*
- Ann Arbor Transportation Authority
- Applied Steel Corp.
- Arbor Springs Water Company
- Argo Livery
- Arrowwood Hills Housing Cooperative
- Atwell - Hicks, Inc.
- Barrett Paving Company
- Brentwood Square Condominiums
- Briarwood Shopping Center
- Bryant Community Center
- Buhr Park Recreational Facility
- Charter Township of Ypsilanti
- Cleary University
- Cobblestone Farm
- Colonial Square Cooperative
- County Farm Park
- DaimlerChrysler Chelsea Proving Grounds
- Daycroft Montessori School
- Dixboro United Methodist Church
- **Eastern Michigan University**
- EPA - National Vehicle Fuel Emissions -Laboratory
- Farmer's Market
- Flint Ink
- Fox Hills Golf and Conference Center
- Fuller Park
- Gallup Livery
- Geddes Lake Homeowners Cooperative
- Gordon Automotive Group
- Greenstreet Tree Care
- G.T. Products
- Holiday Inn North Campus
- Howard Cooper, Inc.
- Hudson Mills Metropark
- Hudson Mills Golf Course
- Huron Chase Association
- Huron Hills Golf Course
- Industrial Tectonics
- Insite Design Studios, Inc.
- Jewel Heart
- Kaiser Optical, Inc.
- Kempf House
- Leslie Park Golf Course
- Leslie Science Center
- Linno Tech, Inc.
- **Lodi Township**
- Lord of Light, Lutheran Campus Ministries
- Mack Indoor Pool
- Maggie's Organics - Clean Clothes
- Matthaei Botanical Gardens
- McNaughton & Gunn, Inc.

- Meri Lou Murray Recreation Center
- Michigan Firehouse Museum
- Milan Federal Prison
- Native Plant Nursery
- New Center, Inc.
- Nichols Arboretum
- Northside Community Center
- NSF International
- NSK Corporation
- Parker Mill County Park
- Pfizer Global Pharmaceutical Research
- Pierce Lake Golf Course
- Pollack Design Associates
- ReCellular, Inc.
- Reddeman Farms Golf Course
- Resource Recycling Systems
- *Salem Township*
- Seva Restaurant
- SmithGroup JJR
- St. Francis of Assisi Parish and School
- St. Joseph Mercy Hospital
- Subaru Research and Development, Inc.
- **Superior Township**
- Tetra Tech, MPS

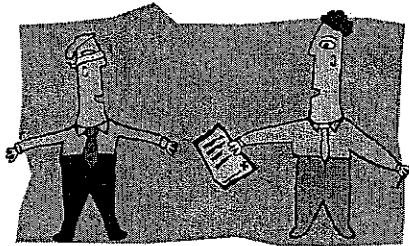
- Theftord Corporation - Baker Road
- Theftord Corporation - Jackson Road
- Thomson-Shore, Inc.
- Tilton & Associates
- Toyota Technical Center USA, Inc.
- Ube Machinery, Inc.
- USGS Great Lakes Science Center
- Veteran's Ice Arena and Water Park
- **Village of Barton Hills**
- Village Townhomes
- Visteon Automotive Systems
- Washtenaw County Environmental Health Division
- Washtenaw County Drain Commissioner's Field-Inspection Division
- *Washtenaw County Road Commission Southeast Service Center*
- Ypsilanti Community Utility Authority



**Italicized names are  
Partners in Progress**

## Term and Condition of Partnerships

- Partners is a **no cost** program for participants
- Partnership term is 3 years
- Upon term completion, Partners may extend the term for three additional years after completion of renewal form.



## How to Become a Partner

Call the Drain Commissioner's Office at (734)222-6813  
or (734)994-2525

### **1) Complete a Water Quality Assessment:**

- A collaborative review of how daily business activities affect water quality
- Provides the opportunity for Partners to propose ways to improve water quality
- Partners Staff does all the paper work, provide water quality materials, and offer technical advice

### **2) Agree to a Water Quality Action Plan:**

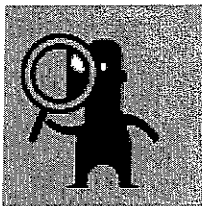
- Derived from the self assessment and provides a guide to water quality improvements for the three-year term of the partnership.

### **3) Undergo a WC Pollution Prevention Inspection (P<sup>2</sup>)**

- Review the current annual report site report  
or
- Volunteer for a **no-cost** P<sup>2</sup> inspection

## Community Partners Water Quality Self Assessment

- Done on-site at the convenience of the Partner
- Broken down into eight Handbook series as applicable to the site
- Process is user friendly and time sensitive
- Program managers do all the paper work




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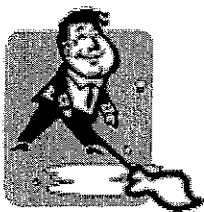
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## Series #1: Housekeeping Practices



- Storing materials and wastes safely
- Preventing spills
- Preparing a Spill Response Plan
- Disposal of cleanup materials

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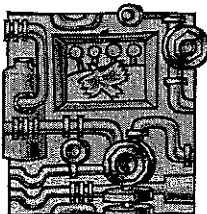
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## Series #2: Maintaining Engineered Stormwater Controls

- Catchbasin care
- Maintaining stormwater management systems
- Oil/Water separator maintenance
- Preliminary technical advice available from Drain Commissioner's professional engineering staff at no charge




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### Series #3: Maintaining Equipment and Vehicles

- Maintaining equipment and vehicles



- Storing seasonal equipment and vehicles




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### Series #4: Maintaining Buildings and Pavement

- Outdoor pressure washing
- Maintaining building facades
- Maintaining paved areas
- Using and storing deicers and application equipment
- Cooling tower systems




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### Series #5: Maintaining Landscapes

- Maintaining healthy lawns, shrubs and trees
- Fertilizer usage
- Integrated pest management vs. pesticides
- Soil testing offered through MSU Extension at no cost to partner




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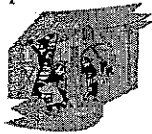
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## Series #6: Site Design and Construction

- Designing landscapes for water quality
- Designing stormwater management systems
- Clearing and grading land
- No cost preliminary stormwater plan review for Partners contemplating building expansion or site improvements by the Drain Commissioner's professional engineering staff.




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## Series #7: Managing Wastes

- Minimizing wastes
- Recycling
- Waste Disposal
- No cost waste audits offered through Washtenaw County Planning and Environment Department




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## Series #8: Education

- Employee incentives/training to promote water quality
- Encourage contractors and vendors to follow Partners' recommendations
- Partner is an important component of the Washtenaw County Phase II Stormwater Permit and addresses illegal discharges, public education, and Public Involvement Permit requirements

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# Look who's making Washtenaw County waterways their business!

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American Leak Detection  
 Ann Arbor Hands-On Museum  
 Ann Arbor Municipal Airport  
 Ann Arbor Transportation Authority  
 Applied Steel Corp.  
 Arbor Springs Water Company  
 Argo Livery  
 Atwell - Hicks, Inc.  
 Barrett Paving Company  
 Briarwood Shopping Center  
 DaimlerChrysler Chelsea Proving Grounds  
 Flint Ink  
 Fox Hills Golf and Conference Center  
 Gordon Automotive Group  
 Greenstreet Tree Care  
 G.T. Products  
 Holiday Inn North Campus  
 Howard Cooper, Inc.  
 Huron Chase Association  
 Industrial Tectonics  
 Insite Design Studios, Inc.  
 Kaiser Optical, Inc.  
 Limno Tech, Inc.

Maggie's Organics - Clean Clothes  
 McNaughton & Gunn, Inc.  
 Native Plant Nursery  
 New Center, Inc.  
 NSF International  
 NSK Corporation  
 Pfizer Global Pharmaceutical Research  
 Pollack Design Associates  
 ReCellular, Inc.  
 Reddeman Farms Golf Course  
 Resource Recycling Systems  
 Seva Restaurant  
 SmithGroup JJR  
 Subaru Research and Development, Inc.  
 Tetra Tech, MPS  
 Thetford Corporation - Baker Road  
 Thetford Corporation - Jackson Road  
 Thomson-Shore, Inc.  
 Tilton & Associates  
 Toyota Technical Center USA, Inc.  
 Ube Machinery, Inc.  
 Village Townhomes  
 Visteon Automotive Systems

**Your business can make a difference too!**  
**Won't you join us?**  
**For more information call the Drain Commissioner's Office at (734)222-6833 or (734)222-6813**

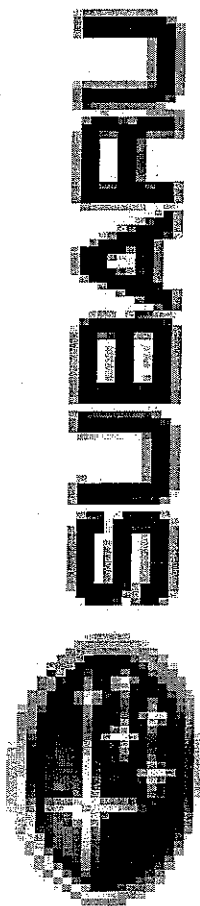
*These organizations have become members of Community Partners for Clean Streams: a partnership working to protect Washtenaw County waterways. Please join me in recognizing and supporting them.*

**Janis A. Bobrin, Washtenaw County Drain Commissioner**

# 2004 Environmental Excellence Award

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And the award goes too.....



## Subaru Research and Development, Inc.

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*Ann Arbor*

For protecting water quality, preventing pollution and recycling and reducing waste.

"Subaru Research and Development, Inc.'s participation in the Clean Streams Program helped us become a better Corporate Citizen. The Drain Commissioners office has developed a user friendly program. They have been very helpful, knowledgeable and responsive from the initial contact to requests for assistance guidance or information. I urge the Business Community to become a Clean Streams Partner."

—Frank Kurk, General Manager of Subaru R & D

## Other Awards

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### Excellence in Water Quality Protection

**Toyota Technical Center USA, Inc.**

#### Honorable Mentions:

Thompson-Shore Inc. *Dexter*

Nichols Arboretum *Ann Arbor*

**Excellence in Pollution  
Prevention**

**PineView Golf Course**

### Excellence in Waste Prevention and Recycling

**Forsythe Middle School**

#### Honorable Mentions:

Ann Arbor News, *Ann Arbor*

Liebherr Aerospace, *Saline*

#### Honorable Mentions:

American Honda Motor Co. *Ann Arbor*

Flint Ink Corp. *Ann Arbor*

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## Community Partners Display

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To host our Community Partners for Clean Streams display, please call the Washtenaw County Drain Commissioner's office at (734) 222-6833 or (734) 994-2525



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## Interested in Becoming a Community Partner?

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Please contact:

**Michelle J. Bononi**

Environmental Planner

Washtenaw County Drain Commissioner's Office

bononim@ewashtenaw.org/(734)222-6833

or

**Marisa London**

Environmental Planning Intern

londonm@ewashtenaw.org/(734)222-6813

[www.ewashtenaw.org/government/drain\\_commissioner/dc\\_cpcs.html](http://www.ewashtenaw.org/government/drain_commissioner/dc_cpcs.html)

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# VILLAGE OF DEXTER

8140 Main Street Dexter, MI 48130-1092

[ddettling@villageofdexter.org](mailto:ddettling@villageofdexter.org)

Phone (734)426-8303

Fax (734)426-5614

## MEMO

**To:** President Seta and Council  
**From:** Donna Dettling, Village Manager  
**Date:** July 11, 2005  
**Re:** Kensington Street Project Update

**AGENDA** 7-11-05

**ITEM** L-5

Attached is a proposal from OHM to provide professional services for the design, preparation of construction documents, contact administration, and construction engineering for the water main, storm sewer, paving improvements, and associated storm water outlet work for Wall Court and Kensington Street Project.

As I had mentioned in my report last meeting, engineering and design have been completed for the majority of the project for which the Village has invested \$28,674 00 to date. The attached proposal includes final design, engineering, and survey services for the Storm Water portion of the project for an additional not to exceed \$6,500. The attached proposal also includes any final design, bidding, construction engineering for work associated with the Roadway Construction for a total service cost not to exceed \$130,000.

Included with this proposal is the Engineers construction estimate for the project, which does not include additional construction costs associated with storm water improvements. The cost of this project planned for construction season 2006 is \$784,300. Total cost for this project with engineering costs is \$949,474. Engineering cost for this project are 21% of the construction cost.

As the proposal indicates we may try to bid yet this year and begin the storm water improvements this construction season. We will be coordinating the project construction schedule with the school schedule, in order to cause as little disruption to the school as possible

I am recommending acceptance of this proposal. Let me know if you need additional information or have questions.

Thanks,



**ORCHARD, HILTZ & McCLIMENT, INC.**

34000 Plymouth Road  
Livonia, MI 48150

o: (734) 522-6711  
f: (734) 522-6427  
[www.ohm-eng.com](http://www.ohm-eng.com)

July 1, 2005

**VILLAGE OF DEXTER**  
8140 Main Street  
Dexter, MI 48130

Attention: Donna Dettling, Village Manager

Re: **Kensington Street**  
**Water Main, Storm Sewer, and Paving Improvements**

Dear Ms. Dettling:

Orchard, Hiltz & McCliment, Inc. (OHM) is pleased to submit this breakdown of professional services for the design, preparation of construction documents, contract administration, and construction engineering for the water main, storm sewer, paving improvements, and the associated storm water outlet work for Wall Court and Kensington Street from Dexter-Ann Arbor Road to Grand Street

**PROJECT UNDERSTANDING**

It is OHM's understanding, per meetings between the Village and OHM over the month of June, 2005, that due to the inability to find an acceptable storm water outlet for the project, the Village has decided to defer the first phase of construction planned for Kensington Street this summer (Forest St to Grand St ) to the planned second phase (Forest St. to Dexter-Ann Arbor Rd.) for construction in the spring and summer of 2006. This will require modifying the contract documents that have been already prepared for Phase I and completing the design for Phase II. The plans and documents created for Phase I will be verified with the work required for Phase II, and all plans and construction documents will be combined into one project. However, depending on how quickly a suitable solution can be reached for the storm water outlet, it may be possible to bid some work sooner.

In all, the improvements will consist of improving the pavement of approximately 1100 feet of Kensington Street and 375 feet of Wall Court. The roadwork associated with this project would consist of the complete removal of the existing asphalt roadway for Kensington St and Wall Court, including drive approaches, with the installation of concrete curb and gutter and necessary storm water infrastructure to improve the existing drainage problems. It is proposed that the road will consist of a "Mixed -use Roadway" Hot Mix Asphalt (HMA) pavement section with new aggregate base, sand sub-base and new drive approaches. This option would create a new roadway with a design life of 20-25 years or more.

The project will include replacing the existing 4" water main from Dexter Ann-Arbor Road to Forest Street, in addition to the water main construction associated with Phase I. This will provide a looped water main and improve the redundancy of the system. It will also include abandoning the 4" water main that crosses Dexter Community School property north of Wylie Middle School. In addition, we understand there are three residents living on the south side of Dexter Ann-Arbor Road that are currently provided water service from Wall Court. To eliminate this situation, these residents could be connected to the existing water main along the north side of Dexter Ann-Arbor Road. While working in Wall Court, some improvements to the existing 4" water main may also be considered.

The proposed water main improvements will consist of approximately 1075 feet of 8" water main, hydrants, gate valves and service leads extending from Dexter-Ann Arbor Road along Kensington Street to and including a portion of Grand Street. It will include interconnections at Wall Court and Forest Street.

There has been considerable work completed and discussions held with the Village to find a suitable storm water outlet for the project. During the preparation of the Phase I work, it was determined that the lowland area north of Wylie Middle School, which was intended to be the point of outlet for the project's storm water, does not provide an acceptable

means of discharging runoff. Presently, there is a corrugated standpipe and grate that discharges through a 15" diameter pipe to the west. The outlet pipe crosses a large berm and then appears to pass under the Colorbok LLC building before reaching Baker Road. It is our understanding this sewer is not maintained by the Village or School, and no easement exists for its maintenance. Based on these circumstances, it was decided to investigate potential alternatives for an outlet.

At the Village's direction we contacted Mr. Don Price, the Facilities Manager for Dexter Community Schools, and reviewed their available records in search of an outlet. Initially it appeared that a solution might be available for extending a Village storm sewer down the service drive that connects Wylie Middle School and Bates Elementary and then connecting it to a School storm sewer before crossing Baker Road. Unfortunately, based on preliminary calculations, it appears the potential outlet pipe is already over capacity based on the existing drainage from the School's property. Therefore, if this route were selected, it most likely would require extending a new storm sewer to Baker Road. There is a 30" diameter storm sewer that crosses Baker Road, but further investigation would be needed to determine if it has sufficient capacity to handle the additional flow generated from Kensington Street. Please be aware that the calculations performed and assumptions made are based on as-built elevations and structure locations provided by the school. This information would need to be verified by a topographic survey to confirm any suggested plan prior to completing a design.

We therefore recommend the Village allocate an amount not to exceed \$6,500 for OHM to study potential alternatives for the storm water outlet. These funds would allow resources to perform more research and evaluation of potential outlets. In addition, it would also provide funds for up to two days of survey time to obtain more information in the field, which would not be scheduled without your authorization in advance. Without having an acceptable plan for the outlet, we are unable to provide an estimate of the time and costs it will take to complete the design and prepare the contract documents necessary for constructing the storm water outlet.

It is our understanding that the Village's Department of Public Services has had the sanitary sewer within this project televised. It is expected that these lines can be rehabilitated with a slip-lining process and would not require excavation. Therefore, no work on the sanitary sewer, other than casting adjustments and structure reconstructs, has been included at this time. Inspection results may affect the costs, should sanitary sewer rehabilitation be necessary.

## **SCOPE OF SERVICE**

While OHM has completed the necessary roadway survey work, completed the Phase I design, and has begun the preliminary engineering of Phase II, we would like to offer the following scope of services to finalize the design and propose construction services.

### **Topographic Survey**

Because a topographic survey was performed of the entire roadwork area as part of the Phase I work, additional survey is not anticipated as being needed to complete the Kensington Street plans. However, additional survey may be required later to complete the plan preparation for the storm water outlet.

### **Engineering Design**

1. Convert the remaining topographic survey information into base drawings and combine with the plan set already created for Phase I.
2. Verify the proposed horizontal and vertical alignments of Phase I and continue with the design of Phase II.
3. Utilize the existing geo-technical investigation work for the project.
4. Prepare preliminary plans and estimates showing line and grade of the proposed improvements, for the Village's preliminary review. Consider and adjust the project scope from comments.
5. Prepare detailed construction plans and specifications. Once the detailed construction plans and specifications are complete, the Village will be provided copies for final review.
6. The revised plans and specifications will comprise the bidding documents with the Village as the party responsible for the contract.
7. Prepare the permit applications for submittal to the agencies, which include Washtenaw County Department of Environment for the Soil Erosion and Sediment Control, water main permits through the Michigan Department of Environmental Quality, and a storm water outlet permit through the Washtenaw County Drain Commission and/or the Michigan Department of Environmental Quality. The Village will be responsible for any fees.

- associated with the permit applications and review processes.
8. Prepare contract documents and review with the Village for approval.
  9. OHM will prepare advertisement for bid, distribute to plan services, and attend bid opening. After the bid opening, OHM will prepare the bid tabulation and provide a recommendation to Village Council on the award of the project to a qualified contractor.

#### **Construction Phase**

1. Conduct a pre-construction meeting with the successful bidder and assist in executing of the construction contract documents. OHM will assist in sending an informational letter to affected residents
2. Layout services will consist of the required staking for line and elevation of specific contract items and appurtenances
3. Full-time daily observation will be provided when significant construction work or testing is occurring. Daily field reports will be prepared documenting pay item quantities and general progress for the day. Checking line and elevation for compliance with contract documents will also be provided as part of the construction observer's regular responsibilities.
4. A project engineer will oversee and supervise observation and will be responsible for ordering appropriate material testing, preparing progress payments and resolving any interpretations or issues which may arise with the contract documents
5. The contract administration shall consist of the preparation of construction pay estimates in a timely manner to meet project deadlines for estimate approval, review of contractor construction progress for compliance with the approved project schedule, claim resolution, change order preparation, preparation of a final project punch-list and monitoring site restoration work until completed by contractor.
6. As-builts will be prepared consistent with the Village standards

#### **Construction Testing Services**

Construction testing services will be supplied by others with OHM's authorization to order testing services of materials for contract compliance. The Village will be invoiced for the construction testing services directly.

#### **Additional Services**

The services outlined herein constitute the total obligation of the parties. If additional services are requested, they can be provided in accordance with OHM's 2005 Hourly Rate Schedule or at an agreed upon fee

#### **COMPENSATION**

The Village will be invoiced monthly for both design services and construction services on an hourly basis, with a not to exceed amount. Compensation due will be based on the actual hours worked during each phase of the project. The following budgets are presented for your consideration:

##### **Work associated with the Roadway Construction:**

Design & Bidding Engineering Services	\$44,000
Construction Engineering Services	<u>\$86,500</u>
<b>Total =</b>	<b>\$130,500</b>

##### **Work associated with the Storm Water Outlet Study:**

Design Engineering Services	\$ 2,000
Survey Services	\$ 4,500
<b>Total =</b>	<b>\$ 6,500</b>

#### **SCHEDULE**

As indicated above, until we have an acceptable solution to the storm water outlet, we are unable to provide an estimate of costs and schedule to complete the required contract documents for its construction. As for the balance of the work needed to complete the design and contract documents for Kensington Street, we believe it could be completed in two



months, which would allow for considerable time before the project could be started in the spring of 2006.

We thank you for this opportunity to provide professional engineering and construction services. If you have any questions or need additional information, do not hesitate to call our office at (734) 522-6711.

Should you find our proposal acceptable, please execute both copies of this document and return one copy to us for our files.

Sincerely,  
**Orchard Hiltz & McCliment, Inc.**



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Rhett Gronevelt, P.E.  
Client Representative  
Orchard, Hiltz & McCliment, Inc.

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Donna Dettling  
Village Manager  
Village of Dexter

cc:  
John Hanifan, Assistant Village Manager  
Bill Costick, OHM  
File

Attachments: Preliminary Opinion of Probable Cost

# Preliminary Opinion of Probable Costs

JOB NUMBER: 0130-05-0031

JOB NAME: Capital Improvements on Kensington St and Wall Ct (5 1/2" asphalt with 10" Agg Base) Full Recon

JOB LOCATION: Between Dexter/Ann Arbor and Grand

DATE: 7/1/2005

ITEM	DESCRIPTION	TOTAL ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	Audio Video Route Survey	1	Lsum	\$ 1,500.00	\$ 1,500.00
2	Mobilization	1	Lsum	\$ 5,000.00	\$ 5,000.00
3	Silt Fence	4,500	Lft	\$ 2.00	\$ 9,000.00
4	Catch Basin/Inlet Filter	6	Ea	\$ 500.00	\$ 3,000.00
5	Remove Pavement	5,900	Syd	\$ 5.00	\$ 29,500.00
6	Remove Pavement (Drive)	285	Syd	\$ 5.00	\$ 1,425.00
7	Remove Concrete Curb and Gutter	1,170	Lft	\$ 4.25	\$ 4,972.50
8	Remove Sidewalk	990	Syd	\$ 3.50	\$ 3,465.00
9	Remove Storm Sewer	183	Lft	\$ 20.00	\$ 3,660.00
10	Remove Culvert	119	Lft	\$ 20.00	\$ 2,380.00
11	Remove Storm Structure	4	Ea	\$ 300.00	\$ 1,200.00
12	Remove Hydrant	1	Ea	\$ 500.00	\$ 500.00
13	Station Grading	15	Sta	\$ 1,400.00	\$ 21,000.00
14	Trench Undercut and Refill	50	Cyd	\$ 27.00	\$ 1,350.00
15	Subgrade Undercut Type II (Modified)	500	Cyd	\$ 35.00	\$ 17,500.00
16	Cap Water Main	4	Ea	\$ 600.00	\$ 2,400.00
17	8" CI 54 Ductile Iron Water Main Trench A	1,750	Lft	\$ 55.00	\$ 96,250.00
18	8" Gate Valve and Well	4	Ea	\$ 1,000.00	\$ 4,000.00
19	16" x 8" Tapping Sleeve, Valve, and Well	2	Ea	\$ 2,000.00	\$ 4,000.00
20	4" x 4" Tapping Sleeve, Valve, and Well	1	Ea	\$ 1,000.00	\$ 1,000.00
20	Lower 8" Water Main	5	Ea	\$ 300.00	\$ 1,500.00
21	Connection to Existing Main	4	Ea	\$ 2,500.00	\$ 10,000.00
22	Fire Hydrant	4	Ea	\$ 2,500.00	\$ 10,000.00
23	Jumper Connect Existing Water Service	5	Ea	\$ 800.00	\$ 4,000.00
24	1" Type K Copper Water Service-Short	6	Ea	\$ 455.00	\$ 2,730.00
25	1" Type K Copper Water Service-Long	6	Ea	\$ 655.00	\$ 3,930.00
26	Directional Drill 1" Type K Copper Water Service	320	Lft	\$ 16.00	\$ 5,120.00
27	1" Curb Stop and Box	17	Ea	\$ 100.00	\$ 1,700.00
28	12" C76-IV Storm Sewer, Trench A	1,050	Lft	\$ 50.00	\$ 52,500.00
29	18" C76- Class IV Storm Sewer	569	Lft	\$ 50.00	\$ 28,450.00
30	21" C76- Class IV Storm Sewer	430	Lft	\$ 55.00	\$ 23,650.00
29	24" Diameter Catch Basin	1	Lft	\$ 1,750.00	\$ 1,750.00
30	48" Diameter Catch Basin	16	Lft	\$ 2,250.00	\$ 36,000.00
31	48" Diameter Storm Manhole	3	Lft	\$ 2,250.00	\$ 6,750.00
32	60" Diameter Storm Catch Basin	1	Lft	\$ 2,750.00	\$ 2,750.00
33	60" Diameter Storm Manhole	2	Lft	\$ 2,750.00	\$ 5,500.00
34	Subgrade Underdrain, 6"	3,000	Lft	\$ 6.00	\$ 18,000.00
35	End Section, Concrete 21"	1	Lft	\$ 600.00	\$ 600.00
36	Adjust Drainage/Utility Structure	2	Ea	\$ 150.00	\$ 300.00
37	Adjust Sanitary Structure	2	Ea	\$ 150.00	\$ 300.00
38	Reconstruct Drainage/Utility Structure	2	vft	\$ 100.00	\$ 160.00
39	Reconstruct Sanitary Structure	1	vft	\$ 100.00	\$ 74.00
40	Replace Frame and Cover	2,000	lbs	\$ 2.00	\$ 4,000.00
41	Aggregate Base, 21AA, Limestone	2,960	Ton	\$ 17.00	\$ 50,320.00
42	Maintenance Aggregate Base, 21AA, Limestone	150	Ton	\$ 20.00	\$ 3,000.00
43	Sand Subbase, Class II, 8"	2,100	Ton	\$ 10.00	\$ 21,000.00
43	Concrete Sidewalk, 4"	7,200	Sft	\$ 3.00	\$ 21,600.00
44	Concrete Sidewalk, 6"	1,240	Sft	\$ 4.00	\$ 4,960.00
45	Concrete Ramp	300	Sft	\$ 5.00	\$ 1,500.00
46	Concrete Pavement - Non-Reinf., 6" (Driveway)	285	Syd	\$ 37.00	\$ 10,545.00
47	Concrete Curb & Gutter, Detail F	2,200	Lft	\$ 12.00	\$ 26,400.00
48	Concrete Curb & Gutter, Detail B2	800	Lft	\$ 15.00	\$ 12,000.00
49	HMA, MDOT 4C Wearing, 1.5"	500	Ton	\$ 55.00	\$ 27,500.00
50	HMA, MDOT 3C Leveling, 2"	650	Ton	\$ 50.00	\$ 32,500.00
51	HMA, MDOT 2C Base, 2"	650	Ton	\$ 50.00	\$ 32,500.00
52	HMA, MDOT 4C Wearing, 3" (Drives)	170	Syd	\$ 60.00	\$ 10,200.00
53	Asphalt Curb	247	Lft	\$ 3.00	\$ 741.00

54	Stop Bar, 24"	36	Lft	\$ 8.00	\$ 288.00
55	Riprap	16	Syd	\$ 10.00	\$ 160.00
56	Replacement Tree	9	Ea	\$ 500.00	\$ 4,500.00
57	Restoration	1	Lsum	\$ 10,000.00	\$ 10,000.00
58	Exploratory Excavation	10	Ea	\$ 500.00	\$ 5,000.00
59	Traffic Maintenance and Control	1	Lsum	\$ 5,000.00	\$ 5,000.00

Construction Costs \$ 713,000.00  
10% Contingency \$ 71,300.00

**Estimated Total**  
**Construction Costs \$ 784,300.00**

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# VILLAGE OF DEXTER – Community Development Office

8140 Main Street, Dexter, Michigan 48130-1092 Phone (734) 426-8303 ext. 15 Fax (734) 426-5614

## Memorandum

AGENDA 7-11-05

ITEM L-6

To: Planning Commission  
From: Allison Bishop  
Re: Article 6 Ordinance Amendment Recommendation  
Date: July 11, 2005

### Notice of Decision

The Planning Commission held a public hearing on July 5, 2005 regarding the proposed changes to Section 6 06, Landscaping Buffer Requirements and recommended that the Village Council adopt the following ordinance language:

- Village Commercial and Central Business District – Buffer requirements may be waived or reduced by the Planning Commission if an applicant proposes to expand the structure to the permitted five (5) foot side yard setback or if an applicant proposes to install pedestrian access inside of the required buffer to the rear of the structure.

### Review

Based on the recent review of site plans within the downtown area it was determined that there was a conflicting section of the ordinance. In an effort to ensure the implementation of the zoning ordinance and the recommendations for density within the DDA Parking Study, the Planning Commission recommended changes to Section 6 06.

An ordinance amendment has been proposed for Section 6.06 of the Landscaping Ordinance. The amendment is proposed because there appeared to be a conflict in the requirements of the ordinance for 1) required buffers between land uses and 2) setbacks. The tables below, A, B and C, illustrate the conflict.

The first (1) conflict occurs in the Buffer A requirements for the Village Commercial District. As can be seen in the tables, the buffer width (buffer A) for CBD and VC is ten (10) feet. Because buffers exist to protect incompatible land uses from each other, it makes little sense to have a buffer between land uses that are the same. The proposed language shown below is underlined and is intended to provide clarification and provide language for a buffer width waiver to eliminate the need for a ten (10) foot buffer between similar land uses.

The second (2) conflict of the ordinance occurs between the buffer width requirement and the side yard setback requirement. Buffer A width is ten (10) feet, however the side yard setback requirement is five (5) feet. As the ordinance is written the village permits developers to build within five (5) feet of the property line to encourage density in the commercial district. With the current buffer requirements between commercial land uses in the downtown the requirement does not necessarily encourage maximum density.

**TABLE A**  
**Section 6.06 LANDSCAPE SCREENING BETWEEN LAND USES**

PROPOSED USE/ZONING	Adjacent to Single or Two- Family Residential Use/Zone	Adjacent to Prof. Business/Office District Use/Zone	Adjacent to Commercial District Use/Zone	Adjacent to Multiple Family Use/Zone	Adjacent to Industrial Use/Zone
Single Family Residential	None	C	C	B	D
Two-Family Residential	None	C	C	B	D
Multiple Family	B	A	B	A	C
C-1 General Business	C	B	A	B	C
CBD and VC Central Business and Village Commercial*	A	A	A	A	A
Professional Business / Office	C	A	B	A	D
Industrial	D	D	C	C	B

- Village Commercial And Central Business District – Buffer requirements may be waived by the Planning Commission if ingress and egress drives and parking are shared.
- Village Commercial and Central Business District – Buffer requirements may be waived or reduced by the Planning Commission if an applicant proposes to expand the structure to the permitted five (5) foot side yard setback or if an applicant proposes to install pedestrian access inside of the required buffer to the rear of the structure.

**TABLE B**

BUFFER ZONE	Minimum Width	Wall/Berm	Minimum Plant Materials
A	10 Feet	None Required	1 ornamental OR 1 evergreen tree every fifty (50) lineal feet along the property line OR 5 shrubs per each thirty (30) lineal feet along the property line, rounded upward

**TABLE C**

**Section 20.01 – Schedule of Regulations**

DISTRICT	MINIMUM LOT SIZE PER DWELLING UNIT (D U)		MAXIMUM BUILDING HEIGHT		PRINCIPAL STRUCTURE MINIMUM YARD SETBACK			MAX LOT COVERAGE BY ALL BLDGS. PERCENT	MINIMUM FLOOR AREA (PER UNIT)(sq ft.)	
	MIN. LOT AREA (sq ft.)	WIDTH (feet)	STORIES	FEET	FRONT	SIDE				REAR
						Min. One	Min. Both			
VC Village Commercial	--	--	2.5	35	15	5	10	10 ft.	--	--
CBD Central Business District	--	--	2.5	35	--	--	--	--	--	--

Per Section 23.06, The Planning Commission and Village Council shall consider the following criteria to determine the appropriateness of amending the text, standards and regulations of the Zoning Ordinance.

- A. Documentation has been provided from Village Staff or the Board of Zoning Appeals indicating problems and conflicts in implementation of specific sections of the Ordinance.
- B. Reference materials, planning and zoning publications, information gained at seminars or experiences of other communities demonstrate improved techniques to deal with certain zoning issues, or that the Village's standards are outdated.
- C. The Village Attorney recommends an amendment to respond to significant case law.
- D. The amendment would promote implementation of the goals and objectives of the Village's Master Plan
- E. Other factors deemed appropriate by the Planning Commission and Village Council

Per Section 23.06(A), Criteria for Amendment to the Zoning Ordinance Text, it has been determined by the Planning Commission and Village staff that Section 6.06 has conflicting requirements and that an ordinance amendment is warranted. The proposed language is shown above underlined and is the second bullet point under table A.

#### **RECOMMENDATION**

The Planning Commission currently has the authority to waive the buffer requirement if “ingress and egress driveways are shared”. In reviewing the conflicting ordinance it was determined by staff and the Planning Commission that reviewing waivers of the buffer requirements for building redevelopment or building expansion on a case-by-case basis would also be warranted. If an applicant chooses not to expand a structure, making the buffer requirement easy to meet, then the applicant should be required to provide the minimum buffer width and the minimum required planting material.

#### **SUGGESTED MOTIONS**

Per Section 23.06, Criteria for Amendment to the Zoning Ordinance Text and the recommendation provided by the Planning Commission, the Village Council has determined that Article 6, Section 6.06 is conflicting and therefore adopts the following ordinance language to be added to Section 6.06: Village Commercial and Central Business District – Buffer requirements may be waived or reduced by the Planning Commission if an applicant proposes to expand the structure to the permitted five (5) foot side yard setback or if an applicant proposes to install pedestrian access inside of the required buffer to the rear of the structure.

OR

Based on the information presented the Village Council moves to postpone the recommendation for the proposed changes to Article 6, Section 6.06 until \_\_\_\_\_ (DATE) \_\_\_\_\_.

Please feel free to contact me prior to the meeting with questions.

Thank you,

# VILLAGE OF DEXTER – Community Development Office

8140 Main Street, Dexter, Michigan 48130-1092 Phone (734) 426-8303 ext. 15 Fax (734) 426-5614

## Memorandum

AGENDA 7-11-05  
ITEM L-7

To: Village Council  
From: Allison Bishop  
Re: Article 7 Ordinance Amendment Recommendation  
Date: July 11, 2005

### Notice of Decision

The Planning Commission held a public hearing on July 5, 2005 regarding the proposed changes to Section 7.07, Temporary Signs and recommended that the Village Council adopt the ordinance language shown in the attached ordinance

Below is a brief review of the proposed changes and why the changes are being recommended.

### Review

It has been brought to the attention of the Community Development Office, the Planning Commission and the Village Council that businesses are suffering due to the construction occurring within the Village. Merchant's are concerned that patrons do not know that businesses are open during construction and how to get to those businesses.

Currently there are not provisions for temporary signage, except for banner signs. Temporary banner signs are permitted, however they are not permitted for a period of more than ten (10) days in any thirty (30) day period.

Per Section 23.06, Criteria for Amendment to the Zoning Ordinance Text, The Planning Commission and Village Council shall consider the following criteria to determine the appropriateness of amending the text, standards and regulations of the Zoning Ordinance.

- A. Documentation has been provided from Village Staff or the Board of Zoning Appeals indicating problems and conflicts in implementation of specific sections of the Ordinance.
- B. Reference materials, planning and zoning publications, information gained at seminars or experiences of other communities demonstrate improved techniques to deal with certain zoning issues, or that the Village's standards are outdated.
- C. The Village Attorney recommends an amendment to respond to significant case law.
- D. The amendment would promote implementation of the goals and objectives of the Village's Master Plan.
- E. Other factors deemed appropriate by the Planning Commission and Village Council.

Per Section 23.06, Criteria for Amendment to the Zoning Ordinance Text, it has been requested by the local Merchant's that the Planning Commission and Village staff review the sign ordinance to determine if there is a way to help merchant's that are currently affected by the Monument Park Building construction. In reviewing the sign ordinance and the merchant's

complaints it has been determined by the Planning Commission that factors such as lack of business visibility during construction exist and therefore an ordinance amendment is warranted. The proposed ordinance amendment, shown as follows, would be to permit businesses affected by construction to have a banner for up to six (6) months. An extension may also be requested and granted by the Village Council. All other temporary sign provisions would apply.

The proposed ordinance amendments/additions are shown underlined on the attached ordinance excerpts. The recommended amendment is to Section 7.07(2).

### **SUGGESTED MOTIONS**

Per Section 23.06E, Criteria for Amendment to the Zoning Ordinance Text and the recommendation provided by the Planning Commission, the Village Council has determined that factors such as lack of business visibility during construction exist and therefore an ordinance amendment is warranted and adopts the following ordinance language:

Section 7.07(2), Temporary Construction Visibility Signs: In an effort to ensure adequate visibility for all businesses during construction, temporary signage shall be permitted for a period of not more than six (6) months. Adequacy of visibility shall be determined by the ability of the Zoning Administrator standing in the public right-of-way to determine that the business is open during the construction. One (1) sign per building, not to exceed sixteen (16) square feet, may be placed on or in front of the building. Extensions may be requested and shall be reviewed by the Village Council. All temporary signage shall meet all other provisions of Section 7.07.

OR

Based on the information presented the Village Council moves to postpone approval of the recommendation for the proposed changes to Article 7, Section 7.07(2) until \_\_\_\_\_(DATE)\_\_\_\_\_.

Please feel free to contact me prior to the meeting with comments or questions.

Thank you,



(1) **PERMIT REQUIRED.** Unless specified elsewhere in this ordinance a permit shall be required to display any temporary sign described by these regulations. Such permit shall be issued by the Village of Dexter Zoning Administrator or designee and shall clearly specify the name, address and telephone number of the applicant as well as the title and dates of the event advertised and authorized location for placement of the sign. The permit number shall be clearly displayed on the sign. Permit fee, if any, is to be established by resolution of the Village Council

(2) **CONSTRUCTION SIGNS:** Construction signs shall only be erected on the construction site. Construction signs shall advertise only the project under construction and information related thereto, such as its developer, contractor, engineers, brokers, and architects. Signs advertising buildings or projects under construction shall not exceed thirty-two (32) square feet where the total parcel frontage is twenty-one (21) feet or less. Where parcel frontage exceeds twenty-one (21) feet, such signs shall not exceed one and a half (1.5) square feet per linear foot of thoroughfare frontage, up to a maximum of one hundred (100) square feet. Such signs shall have a maximum height of ten (10) feet and shall be setback at least twenty-five (25) feet from any public right-of-way unless attached to a building, construction fence, or barricade. All such signs shall be removed promptly upon completion of construction. No more than one (1) construction sign shall be permitted per thoroughfare frontage.

Temporary Construction Visibility Signs: In an effort to ensure adequate visibility for businesses during construction, temporary signage shall be permitted for a period of not more than six (6) months. Adequate visibility shall be determined by the ability of the Zoning Administrator standing in the public right-of-way to determine if a business is open during construction. One (1) sign is allowed per building and can be placed on or in front of the building with a maximum square footage of sixteen (16) square feet. Extensions may be requested and shall be reviewed by the Village Council. All temporary signage shall meet all other provisions of Section 7.07.

(3) **POLITICAL SIGNS:** Shall be used solely for the purpose of providing information relating to the election of a person to public office, or to a political party, or to a matter to be voted upon at an election called by a public body, or any other public issue or expression of opinion, and shall be permitted without permit subject to the following conditions:

- A. Political signs shall be ground or wall signs. Political signs shall not be located in a dedicated right-of-way or attached to any utility pole. No ground sign shall be higher than thirty-six (36) inches above average mean grade of the yard on which it is placed.
- B. All political signs shall be removed within ten (10) calendar days after the election or event.
- C. Such signs shall not be erected in such a manner that they will or reasonably may be